

Climatological Data for August, 1909.

DISTRICT No. 6, MISSOURI VALLEY.

J. WARREN SMITH, District Editor.

GENERAL SUMMARY.

The average temperature was above the normal in practically all parts of the district, and it was much warmer than usual in the Southeastern States. The temperature reached above 100° in each State during the month. The highest recorded was 109° in North Dakota and Kansas. A cool wave passed over the district during the last days of the month that carried the temperature below freezing in Montana, Wyoming, North Dakota, and South Dakota, and to 40° or below in the other States. The lowest temperature reported was 14° in Montana on the 28th.

A severe drought prevailed in the lower Missouri Valley while the rainfall was much above the normal in the mountains in Colorado and it was unusually wet in North Dakota.

In Montana it was the warmest August since 1905, and during the past fifteen years only those of 1897, 1898, and 1905 were materially warmer. Frost occurred in many localities in the western counties on the 28th, and locally on other dates. The rainfall was very unevenly distributed over the State. In northwestern Teton County, lying immediately east of the Continental Divide, several stations reported no rain during the month, while the rainfall was from 1 to 2 inches above the normal in southwestern counties. Some damage was caused by hail in Fergus and Meagher counties. A severe windstorm did some damage at Harden in eastern Yellowstone County on the 7th.

The temperature averaged 2° above the normal in North Dakota, principally because of high night temperatures. Toward the close of the month, however, the night temperatures were decidedly lower, and frosts were reported from several stations on the last three days. The precipitation for the portion of the State in this district was 1.27 inches above the normal. There was an abundance of sunshine and the average was above the normal.

There were some unusually prolonged periods of very warm weather in South Dakota and a number of excessively warm days. At Tama, Meade County, the temperature reached or exceeded 100° on ten days in the month. There has been but one August with a higher mean temperature in the past nineteen years. A light frost occurred in places in a number of eastern counties on the 29th. A wet period occurred in this State from the 6th to 9th, inclusive, during which time the aggregate rainfall was generous to heavy over most of the central and eastern counties. Near the close of the month a drought prevailed in many central and western counties. Thunderstorms were frequent and local hailstorms occurred in a few counties. There was ample sunshine, and in some parts of the State there was not a cloudy day during the month. A local windstorm damaged some farm buildings in northeastern Spink County on the 16th.

The temperature averaged from 2° to 4° a day above the normal over nearly all parts of the Wyoming division. The lowest temperatures of the month were recorded on the 28th when it was below freezing over the mountain districts. In Big Horn County, the station at Basin, with an elevation of 3,862 feet above sea level, had an average temperature of 75.0°, while at Kirwin, with an elevation of 9,187 feet, the mean temperature was only 53.0°. The precipitation was below the normal over most of the district. At three stations no rain fell and at two only a trace was recorded. A trace of snow was reported at one station.

In Colorado the month was characterized by uniformly warm weather, deficient sunshine, and unusually frequent and

heavy showers in the mountains. The frequency of rainfall in the mountains is without parallel in the summer, many stations reporting over twenty days with measurable rainfall, and several had rain on every day but one. The temperature varied but little from day to day, and the monthly extremes occurred on a number of dates at the several stations. Although the mean temperature was high, the extremes were not unusual; the maximum for the State has been exceeded in nearly every August, while the minimum is the highest of record. The sunshine was deficient except in the extreme east, and in the mountains there has rarely been so much cloudiness in a summer month.

The mean temperature for Nebraska averaged about 4° above the normal. In only two years has the mean temperature for the State been higher, and in only 1881 was August appreciably hotter than this year. The maximum temperatures were generally 90° or above on sixteen to twenty-four days, and about 100° or above at most places on one or more days. Less than one-third of the normal rainfall occurred in the southeastern counties, and about one-half in the southwestern counties, while in the northwestern part of the State the fall was decidedly above the normal. Only about two-thirds the usual number of rainy days occurred, while the cloudiness was unusually small.

In Iowa, August, 1909, will be noted for its uniformly high temperature, the small number of cloudy days, and, over the larger part of that part of the State included in this district, the small amount of rainfall. Both the day and night temperatures were high until the 28th, when a cool wave passed over the State, resulting in light frosts on low ground on the morning of the 29th over the northern and in a few localities in southern counties. No damage was done to vegetation, however, by the frost. The maximum temperatures were 90° or above on eight to ten days in the northern and twenty-three days in the southern counties. The rainfall was deficient except at Sioux City, and there the excess was only .02 inch. The only storms of consequence were a few local and moderate wind and hail storms but no serious damage was done.

The month was characterized in Kansas by unusually hot, dry weather and a large percentage of sunshine. The temperature was above the normal at all stations. Some hot winds occurred in Rawlins, Decatur, Norton, and Smith counties. The precipitation was below the normal at all stations, the deficiency averaging 1.66 inches in the western portion and 2.58 inches in the eastern portion. A severe hail and wind storm occurred at Salina on the 1st. A high wind and thunderstorm, with hail, occurred at Manhattan on the 3d and a hailstorm at Dresden on the 5th.

In Missouri August was characterized by uniformly high temperatures, severe and continuous drought, and an excessive amount of sunshine. The warm wave prevailing at the close of July increased in intensity during the first fourteen days of August, culminating about the 15th to the 18th in a hot wave of marked intensity throughout the State. The day temperatures during the period were higher than previously recorded since 1901. The average temperature for the month was the highest for August for twenty-two years, except in 1900. The day temperatures ranged generally between 90° and 100° and exceeded 100° at the majority of stations on several days. The nights were also warm as a rule, the temperature ranging between 65° and 75° most of the time, except on the 22-23d and 29-30th. At several stations no rain fell at all during the month, and drought prevailed in all districts during the entire month, except over limited areas where local showers

occurred. It was the driest August in twenty-seven years. There was an average of twenty-four clear days.

TEMPERATURE.

The temperature was above the normal in all parts of the district and was much above in the lower Missouri watershed. Temperatures of over 100° were recorded in each State, while it reached 109° in Kansas and North Dakota. The temperature was below freezing in the mountain districts and in North Dakota and South Dakota sometime during the month. The lowest reported was 14° at Bowen, Beaverhead County, Mont. on the 28th.

PRECIPITATION.

The rainfall was much above the normal in the mountains in Colorado, and more rain fell in North Dakota and the northern part of South Dakota than usual, but a very severe drought prevailed in the southeastern part of this district. No rain fell at several stations in Missouri and at three in Wyoming. The greatest monthly fall was 7.59 inches at Castlewood, Hamlin County, S. Dak.

MISCELLANEOUS.

The temperature was unusually high in the lower Missouri watershed during the month of August, and was generally above the normal in all parts of the district. The rainfall was very deficient in the lower watershed, and, combined with the high temperature, a serious drought resulted. The rainfall was slightly deficient in the extreme upper valley, and somewhat in excess in the middle valley region in North Dakota and northern South Dakota, and much above in the mountains in Colorado.

The weather has been favorable for construction work on the different United States reclamation projects in this district, except in a few cases. On the Garden City Project, Kansas, the high temperatures, with little or no wind during a large part

of the month, considerably affected the economical operation of the plant, by keeping the circulating water for the pump condensers at too high a temperature. From August 5 to 20 flood water from the Arkansas River could be used for irrigating at this place. The Shoshone River at the Shoshone Project, Wyoming, which gave the highest recorded discharge on July 3, and flowed at that time at a depth of 17.3 feet over the partially completed dam, has continued to subside and preparations for resuming construction work have been made as fast as the stages of the water would admit. The Yellowstone River continued to fall, but did not reach a low stage at the Lower Yellowstone Project until August 15. At this place actual construction work was delayed because of the high water in July and the first part of August.

The rivers were higher than their usual stages in Colorado on account of heavy rains in the mountains. Cloudbursts near the Royal Gorge caused considerable destruction at Canyon City and vicinity during the early part of the month.

The effect of the dry weather and high temperature on vegetation in the lower watershed of the Missouri was very damaging. This was especially true in Missouri, Kansas, southern Nebraska, and western Iowa. The ground was parched and dry and little or no fall plowing could be done.

While freezing weather occurred in the mountains and light frosts occurred in other northern districts little or no damage resulted to farm crops during the month.

The mountain and valley winds were strongly developed in Colorado, but at the higher levels the wind was unusually light, and varied frequently from the usual easterly drift.

The prevailing wind was from the northwest in Montana, west in Wyoming, southwest in Missouri, south in Nebraska, Iowa, and Kansas, and southeast in North Dakota, South Dakota, and Colorado.

MONTHLY WEATHER REVIEW.

AUGUST, 1909

TABLE 1.—Climatological data for August, 1909. District No. 6, Missouri Valley.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, 0.1 inch or more.	Number of partly cloudy days.	Number of cloudy days.				
<i>Wyoming.</i>																					
Arapahoe.	Fremont.	5,500	4								1.08	0.60	0.0	7					David Malloy.		
Barnum.	Johnson.	3,858	10	75.0	+ 2.3	104	15	46	23	50	0.00	- 0.24	0.00	0	24	6	1	w.	Thos. Freeguard.		
Basin.	Big Horn.										1.80	- 0.36	0.00	15	11	18	2	e.	O. J. Robertson.		
Bennett.	Carbon.										1.40	- 0.07	0.48	0.00	12	8	19	s.	Chas. C. Young.		
Cheyenne.	Laramie.	6,088	38	68.2	+ 2.4	88	15	47	29	39	1.12	- 0.43	0.00	8	6	25	0		U. S. Weather Bureau.		
Cheyenne Exp. Farm.	do.	6,000	3								0.70	- 0.47	0.40	0.00	3	7	24	w.	Irrigation Inves. Office.		
Chugwater.	do.	5,282	8	66.3	+ 3.4	95	23	40	21	50	0.70	- 0.47	0.40	0.00	3	10	1	n.	George Milne.		
Clark.	Big Horn.	4,320	4	72.4		97	15†	43	28	35	0.37		0.18	0.00	3	20			Chas. A. C. Snow.		
Crystal Lake Reservoir.	Laramie.	6,900																L. E. Jenson.			
Douglas.	Converse.	4,793		74.2														Henry C. Miller.			
Dubois.	Fremont.	6,909	3	59.0		80	14	32	28	44	1.25		0.70	0.00	8	12	18	w.	Dr. F. H. Welty.		
Eaton's Ranch.	Sheridan.	4,600	4	71.2		97	15				0.52		0.52	0.00	1	14	5	n.	F. A. Eaton.		
Eeheta.	Crook.										1.77		0.75	0.00	3	29	2		M. R. Hunter.		
Elk Mountain.	Carbon.										1.71		0.79	0.00	8	12	1	n.	Wm. Richardson.		
Encampment.	do.	7,322		65.2		87	15	45	28	33	1.46		0.65	0.00	14	10	8	sw.	U. S. Forest Service.		
Ervay.	Natrona.			66.3		92	15	40	28	40	2.27		0.88	0.00	8	16	13	sw.	Frank Jameson.		
Filmore.	Albany.	7,527	3								2.80	+ 1.38	0.70	0.00	8				Jas. Dougherty.		
Fort Laramie.	Laramie.	4,270	32	75.6	+ 4.0	101	1†	47	30	47	0.57	- 0.39	0.24	0.00	6	18	12	w.	John Hunton.		
Gillette.	do.	4,546	3	73.9		101	4†	44	28	44	3.52		2.11	0.00	4	21	5	s.	S. D. Perry.		
Granite Canyon.	Laramie.	7,337	4	63.0		83	1†	36	29	43	1.87		0.93	0.00	7	14	4	s.	Wm. Boyce.		
Hunter's Station.	Johnson.	8,000	3	59.4		85	5	28	28	48	1.73		0.80	0.00	7	18	12	w.	August Hettinger.		
Hyattville.	Big Horn.	6,632	10	70.4	+ 1.9	99	15	36	28	44	0.00		0.00	0.00	0	20	8	3	Wm. Booth.		
Independence.	Natrona.			64.7		95	15	37	29	50	1.93		0.75	0.00	5	17	11	w.	Henry D. Schoonmaker.		
Kaycee.	Johnson.			5	+ 4.6	101	15	38	27	57	1.37	+ 0.33	0.91	0.00	3	29	2	sw.	A. Grigg.		
Kirtley.	Converse.			70.2	+ 3.2	95	15	43	3	44	1.23	- 0.73	0.82	0.00	4	26	4	s.	D. M. Zum Brunnen.		
Kirwin.	Big Horn.	9,187	1	53.0		73	15	19	24	44	3.64		0.90	0.00	11	13	12	w.	C. L. Tewksbury.		
Knowles.	Crook.										2.03		1.52	0.00	6				G. A. Knowles.		
Lander.	Fremont.	5,372	17	68.2	+ 2.5	96	4	39	29	43	1.33	- 0.79	0.89	0.00	7	11	18	2	U. S. Weather Bureau.		
Laramie.	Albany.	7,188	18	64.2	+ 2.4	88	15	39	3	43	1.87	+ 0.74	0.73	0.00	12				University of Wyoming.		
Leo.	do.	6,878	3	66.0	+ 2.8	89	15	34	25	46	0.72	+ 0.22	0.27	0.00	5	15	13	s.	C. A. Cowdin.		
Lolahoma Ranch.	Big Horn.	7,052	6	58.3	+ 1.9	86	18	30	28	46	0.65	- 0.88	0.50	0.00	2	14	17	w.	Mary E. Painter.		
Lovell.	do.	5,007	19	71.6		97	20	38	28	50	0.08		0.00	0.00	0	21	6	n.	R. Fred Harrison.		
Lusk.	Converse.			69.4	+ 2.4	94	15	43	19	45	1.53	+ 0.38	1.00	0.00	3				D. E. Goddard.		
Luther.	Laramie.										2.45		0.44	0.00	10				Henry D. Colburn.		
Manville.	Converse.	5,050		74.4	+ 5.3	103	15	47	18	45	0.68		0.36	0.00	4	27	4	o.	C. A. Sherman.		
Moore.	Crook.	4,211	6								0.92	- 0.79	0.92	0.00	1	19	11	o.	Jas. K. Somera.		
Newcastle.	Albany.	6,000	8	67.7	+ 3.0	91	1	40	29	46	2.41	+ 0.90	0.50	0.00	13	7	19	w.	Edwin Moore.		
Pathfinder.	Weston.	4,319	2	76.5		101	15	48	3	52	1.91		1.65	0.00	4	24	7	o.	Dr. S. W. Johnson.		
Phillips.	Natrona.	5,735	3	69.8	+ 0.4	93	15	38	27	48	1.93	+ 1.11	1.23	0.00	6	19	10	2.	U. S. Reclamation Service		
Pine Bluff.	Laramie.	4,900	6	69.2	+ 2.6	92	1†	40	31	44	0.50		0.50	0.00	11	10	9	n.	Mrs. Arthur Rugg.		
Powell.	do.	5,038	9	73.0	+ 3.9	98	5†	47	3	43	1.01	- 0.47	0.50	0.00	3	15	16	se.	C. W. Johnson.		
Riverton.	Big Horn.	4,376	2	72.8		93	15	41	29	50	0.08		0.63	0.00	3	20	7	w.	U. S. Reclamation Service		
Saratoga.	Fremont.	7,300	12	64.8	+ 1.6	87	4†	39	28	42	2.07	+ 1.02	1.07	0.00	10	10	14	7	Robert P. Quest.		
Sheridan (1).	Carbon.	3,700	14	68.2	+ 1.9	99	15	52	30	52	0.20	- 0.55	0.10	0.00	0	20			Supt. S. & E. R. R.		
Sheridan (2).	do.	3,738	14	68.1	+ 1.8	98	15	35	28	54	0.00	- 0.75	0.00	0.00	0	18	11	1	Geo. Brundage.		
Shoshone Dam.	Big Horn.	5,385	3	72.2		98	16	40	28	40	0.58		0.20	0.00	6	13	17	w.	U. S. Reclamation Service		
Soldiers' Home.	Johnson.	4,635	17	74.2	+ 6.1	103	18	50	7†	42	0.05	- 0.77	0.03	0.00	2	16	10	5.	Geo. L. Courtney.		
South Pass City.	Fremont.			57.6		83	15	29	30†	47	0.65		0.28	0.00	8	18	6	sw.	John Sherlock.		
Thermopolis.	do.	4,350	7	73.1		103	15	41	25	55	0.92		0.67	0.00	4	23	7	1.	A. L. Duhig.		
Upton.	Weston.										1.69		1.05	0.00	4	19	9	3.	G. E. McPherren.		
Valley.	Big Horn.	6,500									1.14		0.41	0.00	6	14	15	2.	Jas. L. McLaughlin.		
Verona.	Sheridan.										0.52		0.52	0.00	1	20	11	0.	O. A. Roode.		
Wiley.	Big Horn.	5,375		71.0		96	14	40	28	43	0.59		0.18	0.00	5	12	11	s.	C. D. Marshall.		
Wyncote.	Laramie.	4,207	2	73.4		96	23	49	20	42	1.27		0.95	0.00	5	12	11	e.	U. S. Reclamation Service		
Yellowstone Park.	National Park.	6,200	22	62.6	+ 1.7	84	17	31	28	45	0.70	- 0.32	0.35	0.00	6	14	11	w.	U. S. Weather Bureau.		
(1) Fountain.	do.			56.1		87	4	20	28	55	0.90		0.37	0.00	4	22	6	s.	U. S. Army.		
(2) Grand Canon.	do.			53.6		75	4	24	29	50	0.63		0.29	0.00	7	11	20	ne.	Do.		
(3) Lake Hotel.	do.			55.4		79	12†	24	28	44	0.90		0.41	0.00	8	20	8	s.	Do.		
(4) Norris Geyser.	do.			55.2		82	18	30	28	51	0.84		0.65	0.00	4	17	12	s.	Do.		
(5) Riverside.	do.			58.0		86	18†	22	28	56	1.12		0.50	0.00	5	23	6	s.	Do.		
(6) Soda Butte.	do.			57.8		88	15	18	28	50	T.		0.50	0.00	2	23	6	sw.	Do.		
(7) Sylvan Pass.	do.			56.4		84	10†	26	28	55	1.20		0.50	0.00	5	20	8	s.	Do.		
(8) Thumb.	do.			57.2		88	11†	26	28	50	1.39		0.33	0.00	6	21	9	1.	Do.		
(9) Tower Falls.	do.			60.6		80	15	24	28	57	0.40		0.20	0.00	3	24	1	6.	Do.		
(10) Upper Basin.	Teton.			7,395	5			100	15†	32	28	55	0.90		0.60	0.00	2	25	1	sw.	Do.
Montana.	Dawson.			69.7		100	20	38	28	43	0.56		0.11	0.00	7	22	6	3.	W. B. Ennis.		
Adel.	Cascade.	5,210	11	63.0	+ 3.9	88	20†	28	28	47	1.40	+ 0.25	0.68	0.00	5	21	4	w.	B. F. Burch.		
Agricultural College.	Gallatin.	4,700	10	63.9	+ 1.1	90	15	36	28	39	1.29	+ 0.44	0.36	0.00	8	21	2	se.	Prof. E. Burke.		
Augusta.	Lewis & Clark.	4,071	10	59.4	+ 4.1	88	20	28	28	53	0.09	- 1.48	0.09	0.00	1	29	1	w.	C. C. Covington.		
Babb.	Teton.	4,461	4	57.4		84	10†	27	28	54	0.00		0.00	0.00	0	28	3	sw.	U. S. Reclamation Service		
Bald Butte.	Lewis & Clark.	6,500									0.76		0.29	0.00	7	26	4	1.	M. W. Alderson.		
Big Creek.	Park.	5,800									0.95		0.76	0.00	5	3					

TABLE 1.—Climatological data for August, 1909. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from this normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days 30 hr. or more.	Number of clear days 30 hr. or more.	Number of partly cloudy days.	Number of cloudy days.			
Montana—Cont'd.																					
Cut Bank.	Teton.	3,700	11	62.8	+ 2.8	89	14	30	28	52	0.16	- 0.98	0.09	0.0	3	23	7	1	w.	Chas. N. Thomas.	
Decker.	Rosebud.	3,400	5	69.8	100	6†	32	28	59	T.	0.0	0.0	0	0	5	13	3	w.	Adam Anderson.
Deep Creek.	Broadwater.	4,200	.....	.....	.....	.....	.....	.....	.....	0.97	.....	0.50	0.0	5	15	13	2	nw.	Mrs. D. W. Maryott.	
Delphine.	Meagher.	5,000	.....	.....	.....	.....	.....	.....	.....	2.76	.....	1.05	0.0	8	15	14	2	w.	Tracy L. Holliday.	
Denton.	Fergus.	2	64.64	95 ^d	20	34 ^d	28	42 ^d	1.75	0.97	.....	0.55	0.0	7	25	4	2	nw.	R. M. Chamberlain.	
Dillon.	Beaver Head.	5,147	12	62.6	+ 0.2	87	6†	32	28	47	0.81	- 0.79	0.17	0.0	5	15	8	8	sw.	J. E. Monroe.	
Dirty Creek.	Meagher.	6,000	.....	.....	.....	.....	.....	.....	.....	3.18	.....	1.18	0.0	10	25	3	3	w.	Lewis Cameron.	
Dry Creek.	Broadwater.	5,500	.....	.....	.....	.....	.....	.....	.....	1.64	.....	1.05	0.0	6	20	9	2	sw.	J. C. Stuart.	
Dry Wolf Camp.	Cascade.	6,000	.....	.....	.....	.....	.....	.....	.....	1.32	.....	0.46	0.0	12	18	10	3	s.	Mrs. R. J. Eveleth.	
East Gallatin River.	Gallatin.	6,300	.....	.....	.....	.....	.....	.....	.....	1.14	.....	0.18	0.0	12	24	6	1	w.	John Eberhart.	
Ekalaka.	Custer.	8	73.7	101	15†	34	28	47	1.03	0.85	.....	0.85	0.0	3	28	1	2	e.	W. Freese.	
Elkhorn.	Jefferson.	6,576	.....	.....	.....	.....	.....	.....	.....	1.03	.....	0.39	0.0	11	12	13	0	sw.	J. W. Skelton.	
Evans.	Cascade.	4,900	.....	.....	.....	.....	.....	.....	.....	0.23	.....	0.20	0.0	1	19	12	0	w.	H. Thrasher.	
Fallon.	Custer.	2,208	5	72.6	.....	104	15†	35	28	51	0.23	.....	0.23	0.0	1	27	4	0	w.	Mrs. A. C. Gifford.
Family.	Teton.	3,950	1	62.2 ^a	.....	90 ^a	15	30 ^a	28	57 ^a	0.20	.....	0.20	0.0	8	20	9	2	w.	U. S. Reclamation Service
Fish Creek.	Silver Bow.	3,500	6	57.0	.....	78	20	28	28	38	1.41	.....	0.53	0.0	11	20	8	3	sw.	O. B. Tilton.
Fish Tail Creek.	Carbon.	5,000	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.20	0.0	8	20	8	3	nw.	O. E. Haskin.	
Flathead Creek.	Gallatin.	6,000	.....	.....	.....	.....	.....	.....	.....	1.70	.....	0.83	0.0	8	20	7	1	sw.	L. G. Brown.	
Forsyth.	Rosebud.	2,514	3	76.1 ^c	.....	103 ^c	28	38 ^c	28	65	0.60	.....	0.30	T.	4	14 ^c	12	2	w.	Thos. M. Patterson, jr.
Fort Benton.	Chouteau.	2,630	30	67.8	0.0	98	20	36	27	46	0.35	- 0.52	0.25	0.0	2	24	6	1	sw.	River Observer.	
Fort Shaw.	Cascade.	3,500	21	66.4 ^b	+ 1.7	93	20	30 ^b	28	50	0.15	- 0.75	0.15	0.0	1	17	13	1	s.	U. S. Reclamation Service	
Fort W. H. Harrison.	Lewis & Clark.	4,004	6	67.4	.....	95	20	37	28	48	.....	.....	0.18	0.0	5	21	8	2	e.	E. K. Bowman.
Foster.	Yellowstone.	1	72.5	105	15	34	28	56	0.32	.....	1.30	0.0	0	16	8	7	e.	J. E. Scally.		
Garnet.	Fergus.	5,500	1	60.6	.....	87	30	31	28	45	0.37	.....	0.49	0.0	4	24	5	2	nw.	W. B. Walker.
Glenive.	Dawson.	2,089	20	74.2	+ 3.2	100	1	39	28	50	0.63	- 0.32	0.17	0.0	2	21	10	0	sw.	J. T. Berthelote.	
Goldbutte.	Chouteau.	4	65.4	90	20	38	28	48	0.18	.....	0.34	0.0	7	1	20	1	1	w.	J. S. Rue.	
Graham.	Custer.	4	.....	.....	.....	.....	.....	.....	.....	0.60	.....	0.60	0.0	7	15	14	2	sw.	P. Kerzenmacher.	
Grayling.	Gallatin.	6,700	6	55.3	.....	85	18	19	28	57	1.05	.....	0.24	0.0	5	23	5	3	sw.	S. H. Bauman.
Great Falls.	Cascade.	3,350	18	68.6	+ 1.9	94	20	38	28	44	0.61	- 0.35	0.19	0.0	5	27	4	0	w.	Thos. Stigen.	
Half Moon Pass.	Fergus.	6,500	.....	.....	.....	.....	.....	.....	.....	2.24	.....	0.70	0.0	11	16	13	2	w.	Gordon Deans.	
Half Way House.	Broadwater.	6,000	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.96	0.0	10	20	8	3	ne.	Jos. Muir.	
Harlowton.	Meagher.	4,185	2	63.5	.....	92	15†	31	28	49	1.07	.....	0.45	0.0	4	14	7	10	w.	E. C. Albrecht.
Hassel.	Broadwater.	5,200	.....	.....	.....	.....	.....	.....	.....	0.88	.....	0.34	0.0	7	17	1	1	sw.	U. S. Weather Bureau.	
Havre.	Chouteau.	2,505	29	67.8	+ 1.5	98	20	38	28	49	0.18	- 1.03	0.08	0.0	6	26	4	1	nw.	U. S. Weather Bureau.	
Helena.	Lewis & Clark.	4,110	30	67.0	+ 0.7	92	20	38	28	40	0.42	- 0.26	0.24	0.0	5	23	5	3	ne.	W. S. Weather Bureau.	
Highwood.	Madison.	4,000	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.66	0.0	10	23	5	3	ne.	W. S. Weather Bureau.	
Home Park.	Yellowstone.	3,014	4	72.6	.....	100	26	37	28	50	0.68	.....	0.37	0.0	3	14	16	1	e.	W. S. McCord.
Huntley.	Gallatin.	6,800	5	71.6	.....	104	15	35	28	54	0.60	.....	1.00	0.0	10	17	14	0	w.	H. L. Miller.
Jones Canyon.	Dawson.	6,000	.....	.....	.....	.....	.....	.....	.....	1.29	.....	0.30	0.0	3	25	0	6	w.	U. S. Reclamation Service	
Kleinanith Creek.	Jefferson.	6,000	.....	.....	.....	.....	.....	.....	.....	0.65	.....	0.65	0.0	9	17	14	0	w.	Jas. McCune.	
Lewistown.	Fergus.	4,010	12	64.7	+ 1.7	95	15	34	28	48	0.28	2.73	+ 1.30	1.57	0.0	12	15	4	nw.	W. S. Henderson.	
Livingston.	Park.	4,488	11	69.4	+ 2.3	96	15†	34	28	47	1.69	+ 0.74	0.43	0.0	7	23	5	3	sw.	W. W. Watson.	
Lodge Pole Creek.	Sweetgrass.	5,700	.....	.....	.....	.....	.....	.....	.....	0.71	.....	0.44	0.0	4	13	13	5	w.	Lewis Terwilliger.	
Lone Tree.	Chouteau.	5	68.2	96	20	37	28	42	0.85	.....	0.25	0.0	5	28	2	1	w.	F. G. White.		
Lost Horse Creek.	Meagher.	5,800	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.91	0.0	13	9	16	6	w.	E. Wilson.	
Lubbock.	Teton.	5,040	1	64.3	.....	103 ^d	15	40 ^d	6	49 ^d	0.32	.....	0.10	0.0	5	21	5	0	w.	C. M. Mason.
Malta.	Valley.	2,240	3	71.7 ^d	.....	103 ^d	15	40 ^d	6	49 ^d	0.32	.....	0.12	0.0	5	21	5	0	w.	U. S. Reclamation Service
Meadow Creek.	Madison.	6,700	.....	.....	.....	.....	.....	.....	.....	0.55	.....	0.07	0.0	3	23	5	3	ne.	F. E. Parent.	
Melstone.	Fergus.	2,903	.....	.....	.....	105	20†	.....	.....	0.55	.....	0.23	0.0	7	27	5	3	ne.	E. J. Parkinson.	
Mildred.	Custer.	.....	.....	.....	.....	.....	.....	.....	.....	0.51	.....	0.15	0.0	3	15	1	1	w.	Leon B. Clark.	
Miles City.	Jefferson.	2,371	15	75.6	+ 4.1	104	4	42	28	43	0.77	- 0.26	0.27	0.0	6	25	6	0	ne.	U. S. Weather Bureau.	
Mill Creek.	Fergus.	5,500	.....	.....	.....	105	20†	.....	.....	1.04	.....	0.74	0.0	5	20	9	2	sw.	W. H. Edick.	
Moore.	Deer Lodge.	.....	.....	.....	.....	.....	.....	.....	.....	1.54	.....	0.56	0.0	4	24	0	7	w.	Clyde Grove.	
Mudd Creek.	Madison.	4,845	3	68.5	.....	94	15†	34	28	48	0.28	.....	0.51	0.0	5	24	3	1	w.	Emery Mudd.
Norris.	Madison.	4,845	1	58.8	.....	86	15	26	5	53	0.28	.....	0.90	0.0	6	16	5	10	sw.	Madison River Power Co.
Nye.	Sweetgrass.	6,345	1	68.5	.....	86	15	26	5	53	0.28	.....	0.08	0.0	6	24	2	5	sw.	F. L. Bryant.
Olsen Creek.	Jefferson.	6,345	.....	.....	.....	.....	.....	.....	.....	1.09	.....	0.49	0.0	5	24	3	4	w.	Robt. Olsen.	
Pipestone Pass.	Jefferson.	7,000	.....	.....	.....	103 ^d	20	38	28	49	0.95	- 0.03	0.37	0.0	7	23	0	8	w.	Mrs. Theola Kiermeyer.
Poplar.	Valley.	2,020	25	71.6	+ 4.3	103	20	38	28	49	0.95	- 0.03	0.37	0.0	1	30	1	0	w.	H. M. Costier.	
Raymond ^d .	Teton.	4,260	2	68.8	.....	92	14	40	9†	51	0.05	.....	0.42	0.0	12	17	13	1	w.	W. H. Campbell.
Rebers Ranch.	Carbon.	6,000	.....	.....	.....	.....	.....	.....	.....	0.38	.....	0.08	0.0	8	18	9	4	se.	E. A. Reber.	
Red Lodge.	.....	5,548	9	64.3	.....	90	15†	30	28	43	0.38	.....	0.08	0.0	8	17	9	5	se.	I. A. Draper.
Rees Creek.	Gallatin.	5,000	.....	.....	.....	103 ^d	15	31	28	53	0.93	+ 0.21	0.20	0.0	7	24	5	2	sw.	Henry Cramer.
Renova.	Jefferson.	4,383	10	64.5	+ 0.1	93	15	31	28	53	1.64	.....	0.72	0.0	7	27	1	3	w.	F. B. Elmer.
Rimini.	Lewis & Clark.	7,900	1	69.0	.....	102	20	35	28	53	1.20	.....	0.50	0.0	7	23	0	8	w.	Milo Brooks.
Ryegate.	Yellowstone.	3,640	1	62.0	.....	90	15	32	28	45	2.11	.....	0.50	0.0	7	23	0	8	w.	H. W. Scherfenberg.
Sedan.	Gallatin.	3,155	8	62.0	.....	90	15													

MONTHLY WEATHER REVIEW.

AUGUST, 1909

TABLE 1.—Climatological data for August, 1909. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unsewed.	Number of rainy days 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>North Dakota—Cont'd.</i>																				
Fullerton.																				
Haley.	Dickey.	1,439	10	70.4		99	20	37	28	51	0.73		0.37	0.0	6	22	9	0	sw.	F. O. Alin.
Hettinger.	Bowman.	2,253	2	75.8		97	5†	52	24	23	1.21		0.40	0.0	6	6	25	0	se.	Myra Hart.
Howard.	Adams.	2,275	2	68.4	-0.6	100	20	35	28	51	0.87		0.79	0.0	3	20	11	0	se.	F. E. Erickson.
Jamestown.	Williams.	1,390	21	66.2	-0.6	90	5†	34	29	40	3.23	+ 0.89	1.45	0.0	8	13	16	2	se.	C. B. Amsbaugh.
Kulm.	Stutsman.	1,966	4																se.	L. B. Baldwin.
Lamoine.	Lamoure.																		se.	J. F. Brenckle.
Manfred.	Kidder.																		ne.	E. V. Virgin.
Marmarth.	Wells.	1,307	2	67.8		95	20	35	29	48	1.69		0.60	0.0	5	18	12	1	ne.	A. H. Ormsby.
Marionmoor.																				
Medina.	Stutsman.																			
Medora.	Medina.	1,796	4	68.5		93	12	30	29	44	4.39		1.93	0.0	6	18	8	5	se.	S. P. Crane.
Molvile.	Billings.	2,225	12	70.0	+ 1.7	108	23	36	31	62	4.71		1.40	0.0	4	17	13	1	e.	H. H. McCumber.
Mott.	Foster.	1,590	11	67.6	+ 0.8	97	15	33	31	38	2.57	+ 0.69	0.55	0.0	7	20	8	3	e.	M. Dwyer.
Napoleon.	Hettinger.	1,955	17	69.0	+ 2.1	94	1†	32	29	48	3.55	+ 1.10	1.66	0.0	8	18	4	9	e.	J. P. Kidder.
New England.	Logan.	2,400	13	68.5	+ 1.8	95	18	37	29	49	5.35	+ 3.73	1.80	0.0	4	19	10	2	se.	O. H. Opland.
New Salem.	Morton.	2,163	2	69.8		98	4†	35	28	44	3.03		1.15	0.0	8	18	12	1	se.	C. J. Hoof.
Orange.	Adams.					100	5†	39	31	45	0.94		0.40	0.0	5	19	10	2	se.	W. C. McKensie.
Palermo.	Ward.	2,200	5	74.2		99	20	39	29	41	0.75		0.50	0.0	2	22	6	3	ne.	J. E. Goforth.
Steale.	Kidder.	1,857	13	69.3	+ 2.7	92	20	33	29	47	2.09	+ 0.10	0.63	0.0	6	19	10	1	w.	T. A. McCann.
Swartwood.	Bowman.																		sw.	B. C. Smith.
Washburn.	McLean.	1,731	5	70.4		99	5	28	31	45 ^a	1.62		0.54	0.0	10	18	13	1	sw.	W. F. Adams.
Williston.	Williams.	1,875	29	68.6	+ 0.7	99	20	37	28	46	0.22	- 1.09	0.18	0.0	4	16	11	4	se.	W. R. Peterson.
Wishek.	McIntosh.	2,010	4	68.5		94	10	34	29	44	2.94		0.92	0.0	5	19	12	0	se.	U. S. Weather Bureau.
<i>South Dakota.</i>																				H. E. Timms.
Aberdeen.	Brown.	1,300	20	73.0	+ 4.0	95	26	37	29	40	3.06	- 0.06	0.90	0.0	8	25	2	4	s.	D. G. Gallett.
Academy.	Charles Mix.	21	77.2	+ 4.7	102	16	44	39	38	4.60	+ 1.50	2.05	0.0	3	23	6	2	s.	I. T. Lothrop.	
Alexandria.	Hanson.	1,352	21	75.8	+ 4.6	95	15†	43	29	36	4.64	+ 1.95	3.66	0.0	4	24	7	0	se.	W. S. Hill.
Andover.	Day.	1,476	72.6			94	11	37 ^b	29	41 ^b	3.50		1.47	0.0	7	11	15	5	se.	E. L. Stone.
Ardmore.	Fall River.	3,557	1	77.9	+ 6.0	103	16	40	28	45	4.79	+ 2.07	3.40	0.0	9	28	1	2	sw.	C. G. Hurlbut.
Armour.	Douglas.	1,521	18	72.5	+ 6.0	103	20	38	28	50	0.73	- 0.60	0.49	0.0	5	29	1	1	e.	J. S. Bean.
Ashcroft.	Harding.	3,192	18	72.5	+ 3.8	105	21	39	27	49	4.02		2.27		4	26	3	2	sw.	Thos. Ashcroft.
Belle Fourche.	Butte.	3,000	2	73.0		102	15	41	28	48	0.63		0.25	0.0	7	14	12	5	e.	W. H. McGinley.
Bowdle.	Edmunds.	1,095	15	74.1	+ 4.8	97	15	39	29	43	1.83	- 1.34	1.05	0.0	9	21	10	0	se.	C. T. Smithers.
Brookings.	Brookings.	1,636	22	73.9	+ 6.3	93	27	33	29	42	3.39	+ 0.66	0.88	0.0	3	17	9	5	s.	Prof. C. Willis.
Burke.	Gregory.	2	75.8			100	15	45	29	37	3.40		1.30	0.0	7	17	11	3	se.	James Connell.
Canton.	Lincoln.	1,248	14	75.2	+ 4.8	95	16	36	29	41	2.27		0.53	0.0	4	28	2	1	se.	John H. Holsey.
Cascade Springs.	Fall River.	3,422	2	73.5		99	15	43	29	47	0.52		0.23	0.0	3	23	7	1	se.	Fred Norenberg.
Castlewood.	Castilewood.	1,685	4	72.2	+ 5.6	93	27	32	29	41	7.59	+ 5.66	3.66	0.0	8	15	5	11	s.	M. N. Bradley.
Centerville.	Turner.	1,229	5	76.4	+ 5.1	95 ^a	15	38 ^a	29	33 ^a	1.84	- 1.64	0.53	0.0	9	9	9	0	sw.	Frank Williams.
Chamberlain.	Brule.	1,363	12	79.0	+ 5.4	103	16	54	31	37	4.51	+ 1.92	1.58	0.0	5	14	12	5	sw.	G. A. Fry.
Clark.	Clark.	1,779	16	73.4	+ 4.8	94	27	35	29	39	4.60	+ 1.82	2.00	0.0	7	21	9	1	se.	O. H. La Craft.
Clear Lake.	Deuel.	1,800	7	73.0	+ 5.8	95 ^d	28	37 ^d	29	44 ^d	7.24	+ 3.27	3.56	0.0	4	21	9	1	sw.	L. F. Hanly.
Clifton.	Sully.																			
Cottonwood.	Stanley.																			
Daviston.	Perkins.																			
Deadwood.	Lawrence.	4,535	1	68.2		95	4†	38	28	40	1.25		0.45	0.0	5	21	7	3	sw.	R. E. Grimshaw.
De Smet.	Kingsbury.	1,728	18	74.2	+ 5.0	95 ^b	14	33 ^b	29	43 ^b	5.25	+ 2.82	4.00	0.0	4	25	5	1	se.	J. O. Purinton.
Dowling.	Stanley.	2,250	1	77.3		104	23	49	29	42	0.29		0.18	0.0	4	16	15	0	se.	M. P. Dowling.
Dumont.	Lawrence.	6,185	1																	
Elk Point.	Union.	1,127	11	78.4	+ 5.0	100 ^c	16	43 ^c	31	39 ^c	0.39	- 0.10	1.85	0.0	8	18	8	5	se.	R. E. Sheriff.
Ellington.	Perkins.																			
Englewood.	Lawrence.	5,723	1			97	21†	41	31	41	1.39		0.42	0.0	7	23	7	1	se.	E. E. White.
Eureka.	McPherson.	1,884	1	73.6		100	16	52 ^c	29	40 ^c	2.50	- 0.10	0.80	0.0	6	22	6	3	se.	W. D. Griggs.
Fairfax.	Gregory.	7	77.1	+ 5.8	100	16	52 ^c	29	40 ^c	0.82	- 0.34	0.70	0.0	6	24	7	0	se.	J. T. Murphy.	
Farmingdale.	Pennington.	3,000	14			104	5†	44	28	44	2.32		1.85	0.0	8	18	8	5	se.	A. E. Nicholls.
Faulkton.	Faulk.	1,595	16	73.6	+ 4.9	95	23	43	29	37	3.46	+ 1.13	2.87	0.0	3	17	3	2	se.	Miss Belle Talcott.
Flandreau.	Moody.	1,565	20	73.2	+ 4.7	91	26†	39	29	34	3.58	+ 0.23	1.45	0.0	6	24	4	3	se.	G. A. Perley.
Forestburg.	Sanborn.	1,231	19	75.7	+ 5.4	98	27	39	29	40	1.95	- 0.33	1.08	0.0	5	18	11	2	se.	M. K. Judy.
Fort Meade.	Meade.	3,624	29			100	15†	49	29	32	0.30	- 1.50	0.20	0.0	2	24	7	0	nw.	Post Surgeon.
Frederick.	Brown.	1,371	3	72.3		97	1	30 ^c	29	44 ^c	1.79		0.94	0.0	3	13	6	2	se.	J. E. Jeffers.
Gann Valley.	Buffalo.	12	77.2	+ 4.6	103	16	45	29	36	4.60	+ 1.64	3.10	0.0	5	18	12	1	sw.	V. P. Drips.	
Greenmount.	Lawrence.	6,430	1																	
Greenwood.	Charles Mix.	15	78.8	+ 4.7	105	16	44	29	37	3.31	- 0.74	0.70	0.0	6	21	8	2	se.	T. C. Williamson.	
Hardy Ranger Station.	Lawrence.																			Mrs. Mary E. Seals
Hermosa.	Custer.	3,349	4	74.1	+ 6.4	101	23	47	28	43	0.90	- 1.35	0.42	0.0	6	16	15	0	se.	S. M. Booth.
Highmore.	Hyde.	1,890	16	76.0	+ 4.7	101	5	43	28	43	3.92	+ 1.53	2.91	0.0	8	17	11	3	ne.	P. H. Moore.
Hill City.	Pennington.	5,061	1																	Geo. A. Karr.
Howard.	Miner.	1,564	18	73.4	+ 4.1	95 ^a	27	38 ^a	29	40 ^a	4.26	+ 1.60	2.28	0.0	8	22	7	2	se.	J. J. Cor.
Howell.	Hand.	8	74.1	+ 5.4	98	16	45	29	47	3.79	+ 1.13	1.56	0.0	7	24	5				

TABLE 1.—*Climatological data for August, 1909. District No. 6—Continued.*

Stations	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, .10 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>South Dakota—Cont'd.</i>																				
Selby.	Walworth.	1	75.6	+ 5.7	98 ^d	16†	43 ^a	31	41 ^c	2.01	...	0.87	0.0	6	24	5	2	se.	Miss Gertrude Hall.	
Sioux Falls.	Minnehaha.	1,400	20	75.8	+ 5.7	96	15	40	29	38	4.05	+ 1.07	1.40	0.0	7	16	7	8	s.	J. H. Bechtold.
Spearfish.	Lawrence.	3,647	78.1	+ 5.5	99 ^b	15	46 ^b	28	44 ^b	0.71	0.85	0.37	0.0	3	22	8	1	se.	O. A. Martin.	
Stephan.	Hyde.	1,340	5	75.5	+ 5.7	103	1	39	29	47	3.11	+ 0.72	2.03	0.0	4	17	7	7	se.	Rev. A. Mattingly.
Tama.	Meade.	1	77.0	...	108	5	41	28	48	0.30	...	0.18	0.0	4	17	7	7	se.	J. J. Daily.	
Vale.	Butte.	2,765	2	75.9	...	103	26	41	28	47	1.25	...	0.99	0.0	4	26	4	1	...	G. W. Shaw.
Van Meter.	Lyman.																		Thos. H. Hill.	
Vermillion.	Clay.	1,222	8	77.5	+ 5.3	95	15†	42	29	33	5.17	+ 2.30	1.38	0.0	5	28	2	1	s.	Prof. E. C. Perisho.
Water's Ranch.	Lawrence.	4,000	1	73.8	+ 7.1	95 ^c	27	35 ^c	29	40 ^c	4.55	+ 1.22	2.15	0.0	3	25	4	2	s.	Geo. Waters.
Watertown.	Codington.	1,735	14	73.8	+ 4.4	93	15†	40	29	35	4.50	+ 1.71	2.13	0.0	10	25	4	2	s.	Robert Q. Wood.
Wentworth.	Lake.	19	73.6	+ 4.4	...														F. C. Zimmerman.	
Wessington Springs.	Jerauld.	1,410	14																F. N. Dunham.	
White Lake.	Aurora.	1,046																	Mrs. G. A. Rogers.	
Yankton.	Yankton.	1,234	37	77.3	+ 4.4	96	16	44	29	33	3.55	+ 0.44	1.19	0.0	10	10	17	4	se.	U.S. Weather Bureau.
<i>Minnesota.</i>																				
Pipestone.	Pipestone.	1,710	10	73.2	+ 4.9	91	27†	36	29	37	3.19	- 1.23	0.95	0.0	9	14	16	1	s.	W. S. Campbell.
<i>Colorado.</i>																				
Akron.	Washington.	4,650	7																Ira M. Barnhouse.	
Alma.	Park.	10,238	12																W. H. Powless.	
Arriba (near).	Lincoln.	5,239	3	70.8	...	91	5†	50	29	38	4.68	+ 2.14	0.80	0.0	21	0	11	20	sw.	C. S. Graves.
Auldhurst.	Teller.	8,500	2																Mrs. Alice A. Auld.	
Barker.	Boulder.	8,000																	E'n. Colo. P. Co.	
Boreas.	Park.	11,489																	Frank Soper.	
Boulder.	Boulder.	5,347	13	72.3	+ 1.8	90	15†	51	29	31	4.47	+ 1.00	1.49	0.0	9	22	7	2	w.	S. A. Griffen.
Burlington.	Kit Carson.	4,160	5	75.4	+ 3.4	97	27	56	6†	34	0.82	- 1.58	0.60	0.0	2	18	7	6	se.	C. Greglow.
Cassels.	Park.	8,445																	Harriet M. Cassell.	
Caetta Rock.	Douglas.	6,230	18	65.9	- 0.8	89	6	40	31	41	2.34	+ 0.19	0.80	0.0	6	18	11	2	n.	Chas. Hy. Ellis.
Cheesman.	Jefferson.	6,890	6	66.8	+ 1.4	87	23	49	26	35	3.30	+ 0.90	2.33	0.0	14	6	25	6	s.	C. L. Adams.
Cheyenne Wells.	Cheyenne.	4,279	16	74.2	+ 1.4	97	27	46	29	41	0.78	- 1.66	0.30	0.0	0	12	0	0	s.	J. B. Robertson.
Como.	Park.	9,735	10																Edwin Pike.	
Cope.	Washington.	11	74.6	+ 1.4	97	16	48	29	42	0.39	- 1.50	0.33	0.0	2	19	13	0	s.	A. A. Williams.	
Corona.	Grand.	11,660	2	45.4	...	64	15	34	29	24	5.25	...	1.10	0.0	18	...		w.	U. S. Weather Bureau.	
Denver.	Denver.	5,272	27	72.6	+ 2.2	93	6	54	29	34	2.13	+ 0.79	0.80	0.0	10	8	20	3	s.	U. S. Weather Bureau.
Edgewater.	Jefferson.	1	70.8	...	94	14	50	1†	41	3.36	...	0.70	0.0	10	23	7	1	...	Dr. J. B. Fish.	
Estes Park (Hauterive).	Larimer.	8,000																	Gaylord H. Thompson.	
Fort Collins.	Logan.	4,985	29	70.2	+ 2.2	93	5†	47	28†	43	1.45	+ 0.28	0.78	0.0	9	23	3	2	...	Colo. Agric. College.
Fort Morgan.	Morgan.	4,319	14	73.0	+ 0.7	96	6	51	26†	41	1.89	+ 0.18	0.98	0.0	6	11	20	0	se.	Della M. Scott.
Frances.	Boulder.	9,300	4	62.0 ^c	...	80	1†	40	29	35	6.24	...	1.36	0.0	16	2	26	3	w.	D. A. Barry.
Fry's Ranch.	Larimer.	7,500		61.0	...	84	1†	36	29	41	2.88	...	0.75	0.0	14	16	11	4	e.	Norman W. Fry.
Georgetown.	Clear Creek.	8,550	8																H. L. Corbett.	
Greeley.	Weld.	4,649	18	73.8	+ 3.7	96	4†	49	26	43	0.86	- 1.10	0.23	0.0	8	24	7	0	ne.	Nelson Reynolds.
Hartsel.	Park.	7,670																	E'n. Colo. P. Co.	
Hawthorne.	Boulder.	6,000	1																Chas. Taft.	
Holyoke (near).	Phillips.	3,745	13	64.0	+ 2.2	83	23	41	28	34	3.25	+ 1.32	0.64	0.0	13	18	2	2	...	Chas. Green.
Idaho Springs.	Clear Creek.	7,534	9																Geo. W. Johnson.	
Keota.	Weld.	4,966																	Enos A. Mills.	
Kossler.	Boulder.	7,720	2																J. D. Stead.	
La Port.	Larimer.	5,053	18																Norman Stead.	
Le Roy (near).	Logan.	4,380	20	74.2	+ 2.9	97	5†	50	30	43	2.14	- 0.04	1.10	0.0	6	9	20	2	se.	Mrs. Phoebe A. Campton.
Longmont.	Boulder.	4,980	7	71.6	+ 3.4	95	5†	47	29	45	0.77	- 0.47	0.28	0.0	7	14	13	4	...	Dr. Edwin Lewis.
Long's Peak (near).	Larimer.	8,600	14	57.3	+ 2.5	79	22	33	3	38	2.99	+ 0.90	0.78	0.0	13	10	12	9	w.	Chas. Deininger.
Moraine.	Platte Canyon.	7,775	19																Frank W. Murphy.	
Plateau.	Jefferson.	5,492	10																P. H. Boothroyd.	
St. Cloud.	Larimer.	7,750																	G. E. Richardson.	
Sedgewick.	Sedgewick.	3,573	1	76.0	...	101	23	48	20	41	3.65	...	3.20	0.0	2	18	12	1	se.	J. C. Tuomey.
Sill Mine.	Clear Creek.	11,500																	Geo. W. Custer.	
Spicer (near).	Larimer.	8,700																		
Waterdale.	Boulder.	5,206	14	70.6	+ 2.8	93	15†	46	29	43	1.68	+ 0.52	0.63	0.0	9	12	6	13	...	
Westlake.	Boulder.	1																		
Wray.	Yuma.	3,612	15	77.1	+ 3.7	101	16	48	29	42	0.30	- 1.85	0.11	0.0	3	15	16	0	se.	
Yuma.	Yuma.	4,138	18																	
<i>Nebraska.</i>																				
Ainsworth.	Brown.	2,521	4	77.2	...	100	16	55	28	37	5.28	...	2.00	0.0	7	4	24	3	sw.	John M. Cotton.
Albion.	Boone.	1,747																	F. A. Pittenger.	
Alliance.	Boxbutte.	3,968	14	73.9	+ 2.7	96	5	50	29†	42	1.90	+ 0.10	0.50	0.0	4	20	11	0	se.	Agent, C. B. & Q. R. R.
Alma.	Harlan.	1,939	13	79.0	+ 3.0	103	16	44	29	41	1.93	- 1.14	1.34	0.0	5	20	19	1	s.	W. A. Sharpnack.
Anoka.	Boyd.	3		75.9	...	102	16	36	29	46	2.50	...	0.75	0.0	6	11	19	1	se.	W. Whitla.
Areadia.	Valley.	2,188																	J. L. Owen.	
Ashland.	Saunders.	1,100	19	80.3	+ 5.3	106	16	45	29	38	0.98	- 2.98	0.87	0.0	2	15	16	0	s.	A. S. von Mansfeld.
Afton.	Sherman.	2,061																	Fred Rein.	
Atkinson.	Holt.	2,108	4	74.8	...	98	16	44	29	41	3.70	...	2.10	0.0	4	20	11	0	se.	C. J. Wilson.
Auburn.	Aurora.	1,051	17	78.2	+ 3.2	104	15	44	30	42	0.35	- 3.83	0.29	0.0	3	19	10	2	s.	J. R. Huffman.
Cairo.	Hamilton.	1,792		81.0	+ 5.4	12	14	45	29	40	1.30	- 2.21	0.52	0.0	4	26	3	2	...	Agent, C. B. & Q. R. R.
Beatrice.	Gage.	1,235	18	79.0	+ 3.9	100	16	45	29	44	0.34	- 3.38	0.16	0.0	3	25	6	0	sw.	W. S. Waxham.
Beaver City.	Furnas.	2,147	18	81.4	+ 5.7	108	16†	50	29	41	2.00	- 0.45	1.32	0.0	5	12	17	2	s.	T. M. Davis.
Bellevue.	Sarpy.	1,210	5																	

MONTHLY WEATHER REVIEW.

AUGUST, 1909

TABLE 1.—Climatological data for August, 1909. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.				Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unimpeded.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Prevailing wind direction.
<i>Nebraska—Cont'd.</i>																		
Dawson.	Richardson	945	13	79.1	+ 2.2	102	16	45	30	42	0.47	- 3.18	0.33	0.0	3	26	3	s.
Dubois.	Pawnee.	1,074									0.34	0.11	0.5	0	5	27	4	se.
Duff.	Rock.										2.99	- 0.21	1.22	0.0	5	20	11	0
Edgar.	Clay.	1,722									0.74	- 2.64	0.37	0.5	5	7	19	5
Ellis.	Gage.	1,430									0.70		0.50	0.0	2	0		
Elm Creek.	Buffalo.	2,263									1.42		0.90	0.0	4			
Elzie.	Perkins.	3,382									1.76		1.50	0.0	2			
Enderlsake.	Brown.	1	74.7			99	10	44	30	37	1.38		0.75	0.0	2	8	23	0
Endicott.	Jefferson.	1,288									1.25		0.85	0.0	2	24	4	sw.
Ewing.	Holt.	1,888	3	76.6		101	10	40	29	40	3.28	+ 0.40	0.85	0.0	6			
Fairbury.	Jefferson.	1,316	14	80.1	+ 4.3	105	16	46	29	42	2.34	- 0.86	1.84	0.4	4	21	10	0
Fairmont.	Fillmore.	1,641	15	77.6	+ 3.9	101	16	54	29	38	0.70	- 0.70	2.75	0.35	4	21	3	s.
Fort Robinson.	Dawes.	3,764	27	74.2	+ 3.8	100	16	42	29	42	1.25	- 1.49	0.45	0.0	4	22	3	sw.
Franklin.	Franklin.	1,820	15	79.4	+ 3.8	104	16	44	29	42	1.89	- 1.89	1.65	0.0	4	23	8	0
Fremont.	Dodge.	1,203	27	78.0	+ 5.1	100	16	44	29	42	3.07	- 0.71	2.37	0.4	4	24	7	0
Fullerton.	Nance.	1,629	3	77.0		101	16	44	29	38	0.50	- 0.69	0.43	0.0	3	24	7	0
Geneva.	Fillmore.	1,633	17	78.7	+ 4.0	104	16	45	29	38	2.55	- 0.46	1.40	0.0	4	22	9	0
Genoa.	Nance.	1,584	34	76.4	+ 3.1	100	16	44	29	39	0.98	- 1.85	0.38	0.0	4	15	12	ne.
Gordan.	Sheridan.	3,550	1	73.0		99	5	44	20	44	4.74	+ 3.06	2.60	0.0	5	17	14	0
Goeper.	Gosper.										0.36	- 2.41	0.23	0.0	3	18	13	0
Gothenburg.	Dawson.	2,557	15	77.5	+ 4.0	103	16	43	29	46	2.14	- 1.10	1.50	0.0	3	17	11	s.
Grand Island.	Hall.	1,860	17	78.0	+ 4.0	100	14	45	30	35	1.76	- 2.10	0.50	0.0	5	17	4	10
Grant.	Perkins.	3,405	5	78.0	+ 3.6	102	23	45	29	40	1.15	- 0.99	0.62	0.0	5			se.
Greeley.	Greeley.	2,021	2	77.6		100	16	40	29	47	1.73	- 0.62	0.56	0.0	6	18	13	0
Guiderock.	Webster.	1,616									0.98	- 1.85	0.38	0.0	4	15	12	s.
Haigler.	Dundy.	3,258									1.19	- 1.15	0.83	0.0	3	10	15	6
Halsey.	Thomas.	2,693	6	78.4	+ 5.1	100	11†	52	31	40	2.97	+ 0.44	1.62	0.0	5	30	1	se.
Hartington.	Cedar.	1,209	18	75.8	+ 4.6	98	10	40	29	38	3.35	- 0.33	1.20	0.0	7	17	7	nw.
Harvard.	Clay.	1,812	19	78.0	+ 4.4	103	16	47	30	39	0.88	- 2.29	0.37	0.0	5	23	8	0
Hastings.	Adams.	1,932	16	78.4	+ 4.1	100	12†	50	30	39	2.50	- 0.92	1.52	0.0	6	27	4	0
Hayes Center.	Hayes.	5	77.7	+ 3.7	102	16	49	30	41	3.56	+ 0.35	1.50	0.0	10	17	14	0	
Hay Springs.	Sheridan.	3,821	22	73.0	+ 3.6	97	23	45	29	41	3.66	+ 1.63	2.93	0.0	4	14	17	0
Hebron.	Thayer.	1,455	24	79.2	+ 4.4	105	16	47	29	41	0.47	- 1.87	0.30	0.0	4			s.
Hendley.	Furnas.	2,231									1.18	- 1.56	0.52	0.0	5			
Holdrege.	Phelps.	2,324	15	79.2	+ 3.8	102	16†	50	29	38	2.28	- 0.68	1.69	0.0	4	22	3	6
Hooper.	Dodge.	1,228	12	78.4	+ 4.8	101	16	42	29	37	1.79	- 2.08	0.95	0.0	5	21	10	0
Imperial.	Chase.	3,278	20	76.6	+ 2.7	101	23	45	29	41	1.59	- 1.12	1.39	0.0	3	25	2	se.
Kearney.	Buffalo.	2,146	17	78.4	+ 3.3	100	16†	45	29	38	1.00	- 2.01	0.64	0.0	2	21	10	0
Kimball.	Kimball.	4,697	21	72.2	+ 2.2	95	6	47	30	41	2.16	+ 0.70	0.78	0.0	7	19	12	0
Kirkwood.	Rock.	14	77.2	+ 5.4	105	16	44	29	42	3.70	+ 0.25	2.18	0.0	9	23	6	2	
Kowanda.	Denell.										0.65		0.34	0.0	4			
Leavitt.	Dodge.	1,228									1.18	- 1.56	0.52	0.0	5			
Lexington.	Dawson.	2,385	20	76.4	+ 4.1	90	16	43	29	38	3.41	+ 0.37	1.75	0.0	6	25	1	5
Lincoln.	Lancaster.	1,189	24	80.1	+ 5.8	103	16	47	29	36	1.34	- 2.47	1.10	0.0	3	13	11	7
Lodgepole.	Cheyenne.	3,820									3.90		3.00	0.0	4	14	18	1
Loyal.	Custer.	2,067		75.6	+ 2.5	100	27	50	29†	40	1.83	- 1.91	1.02	0.0	3	22	7	2
Lynch.	Boyd.	17	78.7	+ 5.5	104	16	39	29	43	2.42	- 0.36	0.75	0.0	5	29	2	0	
McCook.	Redwillow.	2,506	9	78.3	+ 0.8	103	27	40	29	46	1.44	- 1.08	0.74	0.0	2	31	0	s.
McCool Junction.	York.	1,575		76.4	+ 4.8	98	16	42	29	37	1.57	- 1.44	1.15	0.0	4			
Madison.	Madison.	1,585	15	76.4	+ 4.3	98	16	40	30	44	4.35	+ 1.03	1.50	0.0	5	23	6	2
Marquette.	Hamilton.	1,830									2.70	- 0.32	0.88	0.0	8			
Mason City.	Custer.	2,257									2.49	- 0.99	2.05	0.0	0			
Minden.	Kearney.	2,169	26	78.1	+ 4.6	102	26	44	29†	44	1.67	- 1.93	0.90	0.0	7	16	13	2
Mitchell.	Scottsbluff.	1,525	1	74.0		97	23	48	3	44	3.76		2.67	0.0	8	15	16	0
Monroe.	Platte.	1,525									2.61	- 0.85	1.43	0.0	7	24	5	2
Nebraska City.	Otoe.	941	27	78.6	+ 4.3	100	15†	52	30	36	0.17	- 3.42	0.17	0.0	1	21	9	1
Norfolk.	Madison.	1,523	24	76.2	+ 4.0	98	16†	40	29	39	2.73	- 1.03	1.36	0.0	7	29	2	0
North Loup.	Valley.	1,961	21	79.3	+ 6.8	102	27	55	19	36	0.95	- 1.70	0.65	0.0	2	23	8	0
North Platte.	Lincoln.	2,841	35	76.6	+ 4.4	97	11	48	29	38	1.24	- 1.22	0.60	0.0	7	16	13	2
Oakdale.	Antelope.	1,722	21	75.3	+ 3.5	96	16	40	29	36	5.34	+ 2.49	2.64	0.0	11	18	13	0
Odell.	Gage.	1,278									0.42	- 0.45	0.20	0.0	3	17	14	0
Ordn.	Douglas.	1,103	39	79.5	+ 5.1	98	12	55	29	27	0.88	- 2.74	0.84	0.0	3	16	14	1
Orleans.	Valley.	2,062									1.87	- 1.06	0.81	0.0	5	15	9	7
Osceola.	Harlan.	1,993									2.33		1.66	0.0	6			
Palmyra.	Polk.	1,644																
Pawnee City.	Otoe.	1,142	11	79.6	+ 4.9	102	16	52	29	39	0.43	- 2.93	0.30	0.0	3	28	5	0
Pawnee.	Pawnee.	1,175	6	78.2	+ 3.0	102	15†	41	30	46	0.24	- 3.38	0.12	0.0	2	30	1	s.
Plymouth.	Jefferson.	1,410	5	79.2	+ 3.3	105	16	45	29	41	0.28	- 2.28	0.15	0.0	3	12	16	3
Purdum.	Blaine.	8	76.2	+ 4.2	100	16	45	29	41	2.33	- 0.90	1.50	0.0	5	24	7	0	
Ravenna.	Buffalo.	2,028	20	77.8	+ 4.7	101	16†	42	29	46	2.74	- 0.56	1.81	0.0	6	20	11	0
Redcloud.	Webster.	1,637	13	78.9	+ 2.9	103	16	46	29	41	1.05	- 1.74	0.62	0.0	5	28	2	1
St. Libby.	Howard.	1,887									2.42	- 0.92	1.56	0.0	4	17	13	1
St. Paul.	do.	1,796	15	78.8	+ 3.9	102	16	46	29	38	1.57	- 1.98	0.67	0.0	6	23	8	0
Santee.	Knox.	22	78.4	+ 4.1	102	16	43	29	42	1.34	- 1.39	0.67	0.0	8</td				

TABLE 1.—*Climatological data for August, 1909. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.					
				Mean.	Departure from the normal.			Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.			Greatest in 24 hours.	Total snowfall unmeasured.								
					Highest.	Date.	Greatest daily range.																			
Nebraska—Cont'd.																										
Wauneta.	Chase.																									
Weepingwater.	Cass.	1,080	3	79.1		106	16	41	29†	51	1.32	—	2.41	0.66	0.0	2	29	2	0	se.	C. D. Fuller.					
Westpoint.	Cuming.	1,313	13	76.4	+ 2.7	100	16	39	29	39	2.78	—	1.58	1.23	0.0	6	30	1	0	s.	S. W. Orton.					
Wilber.	Saline.	1,325																			J. C. Elliott.					
Wisner.	Cuming.	1,330																			Agent, C. B. & Q. R. R.					
Woodlawn.	Lancaster.	1,186																			Aoff & Deily.					
York.	York.	1,006	17	79.4	+ 3.7	105	16	46	29	40	2.98	—	0.23	2.15	0.0	6	27	4	0	se.	H. C. Kendall.					
																					H. T. Gianque.					
Iowa.																										
Afton.	Union.	1,212	14	77.4	+ 3.8	99	12†	46	29	36	1.36	—	3.07	1.36	0.0	1	25	5	1	sw.	N. W. Rowell.					
Allerton.	Wayne.	1,513	17	77.2	+ 5.1	99	15	45	29	39	0.34	—	6.48	0.21	0.0	2	27	2	2	sw.	Mrs. Geo. Shriver.					
Alta†.	Buena Vista.	6	75.2	+ 4.5	93	27	43	29	31	2.37	—	1.60	0.84	0.0	9	19	13	0	se.	David E. Hadden.						
Alta (near).	do.																				W. J. Minard.					
Alton.	Sioux.	1,305	3	76.6		97	15	36	29	41	0.99	—	0.70	0.99	0.0	4	27	2	2	se.	W. S. Slagle.					
Atlantic.	Cass.	1,164	17	77.3	+ 6.0	98	15†	43	29	37	0.44	—	3.04	0.34	0.0	10	18	3	3	sw.	Tos. H. Whitney.					
Audubon.	Audubon.	1,301	15	74.2	+ 2.4	97	10	37	29	38	0.41	—	3.31	0.29	0.0	2	27	3	1	sw.	E. E. Kellogg.					
Bedford.	Taylor.	8	77.3	+ 3.4	103	16	42	29	43	1.37	—	3.69	1.10	0.0	3	27	1	3	sw.	E. E. Healy.						
Chariton.	Lucas.	1,042	13	76.6	+ 3.5	97	15	44	29	35	0.82	—	4.18	0.35	0.0	3	26	3	2	sw.	C. C. Burr.					
Clarinda.	Page.	1,009	18	77.8	+ 3.6	102	15	43	30	45	0.95	—	3.08	0.49	0.0	4	26	2	3	sw.	H. S. Van Sandt.					
Corning.	Adams.	1,117	16	75.9	+ 3.4	97	15†	47	29	33	1.51	—	2.70	1.37	0.0	2	15	15	1	s.	Jerome Smith.					
Corydon.	Wayne.	1,101	15	78.6	+ 5.0	98a	15	45	29	37	0.49	—	3.83	0.33	0.0	2	22	4	2	sw.	Clara Miller.					
Creston.	Union.	1,312	3	77.0		100	12†	45	29	39	1.94	—	1.16	0.20	0.0	4	23	4	0	se.	Edgar Stovall.					
Cumberland.	Cass.	9																			J. H. Reppert.					
Denison.	Crawford.	1,180	13	75.8	+ 3.9	94	14†	50	30	32	0.71	—	3.05	0.44	0.0	2	27	3	1	sw.	W. C. Van Ness.					
Elliott.	Montgomery.	3	77.0			95	12†	44	29	31	0.54	—	0.54	0.0	0	1	23	7	1	se.	Henry Barnes.					
Hancock.	Pottawattamie.	1,113	3	78.2		98	15†	43	29	40	0.53	—	0.40	0.0	0	2	28	3	0	se.	G. C. Rogers.					
Harlan.	Shelby.	1,192	9	75.8	+ 3.6	97	16	40	29	38	0.88	—	3.34	0.49	0.0	2	11	19	1	s.	C. A. Reynolds.					
Hopeville.	Clarke.	17	76.5	+ 3.3	97	15	46	29	35	1.49	—	2.32	0.66	0.0	4	17	12	2	s.	M. T. Ashley.						
Inwood.	Lyon.	1,474	4	75.2		96	16	38	29	40	2.70	—	1.15	0.0	0	2	25	5	4	sw.	F. B. Hanson.					
Lamoni.	Decatur.	77.6				100	13	47	29	35	0.37	—	0.37	0.0	0	1	29	5	2	s.	T. J. Fitzpatrick.					
Larrabee.	Cherokee.	1,266	17	74.9	+ 3.7	94	12	40	29	33	0.81	—	2.67	0.25	0.0	6	21	9	1	sw.	H. B. Strever.					
Le Mars.	Plymouth.	1,224	12	74.8	+ 3.3	91	27	39	29	31	1.43	—	1.45	0.58	0.0	8	23	7	1	sw.	G. A. C. Clarke.					
Lenox.	Taylor.	1,250	13	76.4	+ 3.5	96	10	48	28	32	1.50	—	2.62	1.40	0.0	2	25	3	3	sw.	J. L. Hurley.					
Leon.	Decatur.	1,120	6	77.3	+ 4.2	95	15	48	29†	34	0.54	—	5.40	0.39	0.0	4	25	3	0	se.	Morris Gardner.					
Little Sioux.	Harrison.	4	75.0			98	16	43	29	36	1.57	—	0.70	0.0	0	5	26	5	0	se.	Geo. H. Gibson.					
Logan.	do.	928	42	77.8	+ 5.1	98	16	41	29	39	2.96	—	0.78	0.04	0	18	13	0	0	se.	Glen H. Stern.					
Mt. Ayr.	Ringgold.	1,236	15	78.1	+ 4.1	99	15†	48	29	36	1.38	—	2.37	1.17	0.0	3	25	5	1	sw.	A. F. Beard.					
Odebolt.	Sac.	1,356	10	78.0	+ 4.3	97	14†	40	29	42	0.44	—	3.16	0.30	0.0	3	27	3	0	se.	E. Starner.					
Onawa.	Monona.	1,051	3	79.0	+ 4.8	96	11†	47	29	32	1.68	—	3.46	0.80	0.0	5	30	0	1	s.	C. G. Perkins.					
Pacific Junction.	Mills.	960	9	76.0	+ 2.5	98	12	41	29	38	0.65	—	3.18	0.42	0.0	2	25	6	0	se.	H. H. McCartney.					
Rock Rapids.	Lyon.	1,358	9	77.3	+ 7.0	97	29	34	31	48	0.75	—	1.68	0.30	0.0	4	24	4	0	se.	W. C. Wyckoff.					
Sheldon.	O'Brien.	1,422	8	77.0	+ 5.7	101	15	36	29	37	1.63	—	2.05	1.00	0.0	6	27	4	2	s.	Dr. A. W. Beach.					
Sibley.	Osceola.	1,215	15	73.8	+ 4.9	93	15	40	29†	41	1.45	—	2.21	0.60	0	6	22	5	5	s.	Francis C. Doolittle.					
Sioux Center.	Sioux.	9	74.9	+ 3.8	94	15	42	29	33	1.07	—	2.58	0.53	0.0	3	27	3	1	s.	J. Deruyter.						
Sioux City.	Woodbury.	1,135	20	76.8	+ 4.2	96	27	43	29	32	3.02	+ 0.02	1.30	0.0	0	3	20	11	0	sw.	U. S. Weather Bureau.					
Thurman.	Fremont.	11	77.4	+ 3.6	98	15	45	30	37	0.50	—	3.89	0.20	0.0	2	23	7	1	s.	C. R. Paul.						
Washta.	Cherokee.	1,157	10	76.2		97	27	33	29	47	1.92	—	0.86	0.33	0.0	4	26	3	2	sw.	H. L. Felter.					
Woodburn.	Clarke.	961	9	75.7		98	15	42	30	40	3.15	—	2.43	3.22	0.0	4	26	3	2	sw.	C. B. McDonough.					
Kansas.																										
Abilene.	Dickinson.	1,157	14																		J. H. Sherman.					
Agricultural College.	Riley.	1,100	51	80.2	+ 3.4	102	18	46	29	37	1.05	—	1.73	0.72	0.0	4	12	17	2	s.	J. O. Hamilton.					
Alton.	Osborne.	1,651	7	81.6	+ 4.4	106	18	47	30	43	1.08	—	1.5C	0.47	0.0	7	23	7	0	se.	H. A. Storer.					
Atchison.	Atchison.	973	18	80.1	+ 4.3	99	16	61	30	28	2.70	—	1.83	1.40	0.0	3	27	4	0	s.	M. F. Troxell.					
Baker.	Brown.	1,182	9	76.3	+ 1.1	101	16	45	29	39	2.48	—	1.75	1.54	0.0	2	12	6	13	s.	E. A. Bastien.					
Beloit.	Mitchell.	1,383	14																		W. H. Houghton.					
Blakeman.	Rawlins.	2,894	1	77.2	+ 3.5	101	27	39	29	42	1.58	—	1.00	0.65	0.0	7	22	7	2	se.	C. L. Henderson.					
Blue Rapids.	Marshall.	1,105	3																		M. Norton.					
Centralia.	Marshall.	1,256		77.4		100	16	46	29	39	0.53	—	0.48	0.0	0	2	15	4	6	se.	L. E. Hazen.					
Chapman.	Dickinson.	1,123	5	80.9		105	16†	46	30	43	0.73	—	2.16	0.45	0.0	3	26	4	1	sw.	R. McShea.					
Clay Center.	Clay.	1,203	8	80.4	+ 3.7	108	16	40	30	51	0.67	—	3.59	0.47	0.0	2	14	12	5	s.	O. L. Slade.					
Colby.	Thomas.	3,138	18	78.4	+ 3.8	101	27	42	29	44	0.45	—	2.00	0.25	0.0	3	18	11	2	se.	R. M. Chelf.					
Concordia.	Cloud.	1,398	25	79.8	+ 3.3	103	16	49	29	35	0.37	—	2.44	0.26	0.0	5	24	0	0	se.	U. S. Weather Bureau.					
Densmore.	Norton.	2,200		80.2		103	16†	44	29	40	0.28	—	0.21	0.0	0	2	18	12	1	sw.	F. S. Griffith.					
Dresden.	Decatur.	2,731	15	78.8	+ 3.4	102	16	50	29	37	1.99	—	0.89	1.93	0.0	3	23	2	6	se.	Jacob Bock.					
Ellsworth.	Ellsworth.	1,537	5	79.2	+ 1.5	107	16	50	29†	41	1.63	—	1.07	0.90	0.0	4	20	9	2	sw.	George Seitz.					
Enterprise.	Dickinson.	1,144	7	83.6d	+ 6.7	105d	15	49	30	43d	1.29	—	1.49	0.73	0.0	3	20	5	1	s.	G. F. Wagner.					
Ekridge.	Lane.	1,412	3	77.8		98	17	52	29	33	1.47	—	0.83	0.3	0.0	3	20	10	1	sw.	G. D. West.					
Farnsworth.	Bourbon.	2,850	8	78.7	+ 2.5	1.2	16	45	29	43	0.90	—	1.72	0.44	0.0	6	28	0	0	se.	C. M. Jennison.					
Ft. Scott.	Bourbon.	857	13	78.6	+ 0.2	103	16†	49	30	44	0.51	—	3.69	0.38	0.0	4	26	0	0	sw.	E. A. Shaver.					
Frankfort.	Marshall.	1,146	15	79.2	+ 2.1	106	16	42	30	49	0.30	—	4.93	0.20	0.0	2	17	14	7							

TABLE 1.—*Climatological data for August, 1909. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.				Observers.
				Mean.	Departure from the normal.	Highest. Date.	Lowest. Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Number of clear days, .01 inch or more.	Number of partly cloudy days.	Number of cloudy days.		
Kansas—Cont'd.																		
Scott.	Scott.	2,971	3	77.8*	.....	107 12	53 20	40 ^j	0.47	.....	0.35	0.0	2	21	8	2	s.	J. B. Loughran.
Topeka.	Shawnee.	997	23	79.8	+ 3.8	102 16	52 30	34	0.77	- 3.52	0.61	0.0	3	21	8	2	se.	U. S. Weather Bureau.
Valley Falls.	Jefferson.	913	10	77.8	+ 2.4	98 16	49 30	35	2.62	- 1.57	2.00	0.0	4	27	3	1	se.	Miss Nettie Maxwell.
Vinland.	Douglas.	880	.....	78.8	.....	98 16	43 30	42	1.18	.....	0.82	0.0	5	27	9	2	sw.	A. Schick.
Wakeeney.	Trego.	2,456	5	79.4	+ 2.4	103 16	49 29	38	0.69	- 1.71	0.48	0.0	4	28	1	3	se.	A. S. Peacock.
Wallace.	Wallace.	3,303	39	78.0	+ 3.2	102 27	41 29	40	0.70	- 1.27	0.42	0.0	3	30	1	1	se.	M. T. Griggs.
Wamego.	Pottawatomie.	1,003	16	.....	.....	.....	.....	.....	0.73	- 3.91	0.60	0.0	3	19	11	1	s.	M. L. Stone.
Missouri.																		
Albany.	Gentry.	2	.....	77.0	.....	108 17	40 30	49	0.30	.....	0.20	0.0	2	26	4	1	s.	W. E. Elder.
Amoret.	Bates.	850	0	.....	.....	108 17	40 30	49	0.39	.....	0.28	0.0	3	17	9	5	sc.	C. L. Glassmire.
Appleton City.	St. Clair.	853	18	80.4	+ 3.0	107 17	54 30	39	0.94	- 3.32	0.60	0.0	3	23	3	0	s.	T. C. Brown.
Arlington.	Phelps.	695	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		P. W. Andree.
Arthur.	Vernon.	767	16	79.3	+ 3.3	108 17	48 30	43	0.59	- 3.74	0.38	0.0	2	26	5	0	sw.	J. T. Armstrong.
Avalon.	Livingston.	24	79.5	+ 2.9	100 16†	48 30	43	0.38	- 3.79	0.38	0.0	1	27	4	0	sw.	F. G. Ashbaugh.	
Bagnell.	Miller.	594	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		W. S. Brockman.
Bethany.	Harrison.	881	19	77.4	.....	96 12†	56 21	36	0.00	.....	0.00	0.0	3	18	12	1	sw.	W. H. Skinner.
Bolivar.	Folk.	1,070	21	78.4	+ 1.6	101 17	43 30	43	0.74	- 2.75	0.36	0.0	4	24	3	4	se.	E. Walts.
Boonville.	Cooper.	600	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		C. Randecker.
Brunswick.	Charitan.	651	30	80.8	+ 5.7	104 16	50 30	37	0.02	- 4.14	0.02	0.0	1	21	6	4	sw.	Louis Beneke.
Clinton.	Henry.	800	7	80.8	.....	105 16	50 30	44	0.47	.....	0.20	0.0	3	28	3	0	s.	Dr. G. W. Menees.
Columbia.	Boone.	734	18	79.2	+ 4.5	98 17	52 30	36	0.06	- 2.98	0.06	0.0	1	20	10	1	sw.	U. S. Weather Bureau.
Conception.	Nodaway.	932	24	78.1	+ 4.5	101 16	50 29†	37	T.	- 4.14	T.	0.0	0	18	10	3	se.	Fr. Adhelm Hess.
Darkville.	Randolph.	826	18	79.4	+ 3.9	98 27	51 29	36	0.00	- 3.00	0.00	0.0	0	29	2	0	se.	W. H. Broadelius.
El Dorado Springs.	Cedar.	750	3	79.0	.....	103 17	53 30	45	0.45	.....	0.35	0.0	2	24	6	1	se.	Samuel Graham.
Fairport.	De Kalb.	920	15	.....	.....	.....	.....	.....	0.12	- 4.21	0.12	0.0	1	26	2	3	sw.	J. W. Lincoln.
Fayette.	Howard.	725	26	79.0	+ 3.0	98 16	51 30	37	0.22	- 2.86	0.22	0.0	1	27	2	2	sw.	T. Berry Smith.
Fulton.	Galloway.	818	18	78.8	+ 2.6	101 16†	42 30	51	0.06	- 3.34	0.03	0.0	4	27	3	1	sw.	Mrs. Ruth McKinney.
Gallatin.	Davies.	803	16	.....	.....	.....	.....	.....	0.17	- 4.37	0.10	0.0	2	23	2	1	sw.	Dr. W. P. Young.
Glasgow.	Howard.	618	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		J. J. Shaughnessy.
Grant City.	Worth.	1,130	17	78.0	.....	101 15†	49 28	31	2.08	- 1.82	1.30	0.0	3	27	1	3	s.	W. H. Campbell.
Harrisonville.	Cass.	912	37	80.2	+ 5.1	104 17	51 30	36	0.59	- 3.55	0.32	0.0	5	23	2	6	s.	A. J. Sharp.
Haselhurst.	Livingston.	16	.....	.....	.....	.....	.....	.....	T.	- 3.80	T.	0.0	0	2	2	0	sw.	W. H. Baker.
Hermann.	Gasconade.	483	35	.....	.....	.....	.....	.....	0.16	- 2.81	0.14	0.0	2	22	5	3	e.	C. T. Maushund.
Houston.	Texas.	1,280	17	77.6	+ 2.4	101 16†	46 30	49	0.81	- 2.76	0.55	0.0	2	9	22	0	n.	E. Dempsey.
Huntville.	Randolph.	790	6	.....	.....	.....	.....	.....	0.00	.....	.....	.....	.....	.....	.....	.....		F. H. Hammatt.
Jefferson City.	Cole.	628	27	80.6	+ 4.0	104 15	49 30	40	0.38	- 2.32	0.23	0.0	2	26	2	3	n.	Miss Emma Swift.
Kansas City.	Jackson.	963	21	80.5	+ 4.7	100 16	56 30	38	0.42	- 4.33	0.34	0.0	3	20	9	2	se.	U. S. Weather Bureau.
Kidder.	Caldwell.	1,017	16	78.6	+ 3.7	99 16	50 28	31	1.21	- 3.10	0.80	0.0	5	27	3	1	sw.	J. F. Sharp.
Lamotte.	Pettis.	863	21	79.3	.....	102 17	46 30	46	0.20	- 3.51	0.17	0.0	2	22	0	0	se.	J. R. Wade.
Lebanon.	Laclede.	1,265	20	79.4	+ 3.1	98 17	51 29†	45	0.54	- 2.72	0.50	0.0	2	26	4	1	e.	M. W. Serl.
Lexington.	Lafayette.	813	27	79.1	+ 3.6	100 16	45 30	34	0.61	- 2.79	0.38	0.0	3	28	0	3	s.	J. W. Keithley.
Liberty.	Clay.	864	21	79.4	+ 3.3	101 16	51 30	38	0.32	- 4.04	0.31	0.0	2	24	0	7	se.	J. W. Kyle.
Lockwood.	Dade.	1,088	14	80.0	.....	104 17	52 30	39	0.24	- 3.90	0.24	0.0	1	27	2	2	ne.	C. S. Crow.
Marshall.	Saline.	779	18	79.0	+ 3.1	100 17	49 30	44	0.04	- 3.93	0.04	0.0	1	30	0	1	sw.	W. H. Black.
Marshfield.	Webster.	1,492	0	.....	.....	.....	.....	.....	0.38	.....	0.35	0.0	2	18	13	0		Dr. J. P. Keller.
Maryville.	Nodaway.	1,160	19	78.0	+ 3.8	100 12†	59 29†	36	0.52	- 4.30	0.52	0.0	1	27	4	0	s.	J. R. Brink.
Mt. Vernon.	Lawrence.	1,480	33	79.8	+ 2.1	106 17	52 30	42	4.30	+ 0.21	4.00	0.0	3	16	15	0	se.	Dr. O. H. Brown.
Nevada.	Vernon.	889	15	.....	.....	.....	.....	.....	0.54	- 3.62	0.30	0.0	3	28	3	0	sw.	C. Jewell.
New Palestine.	Cooper.	795	17	80.2	+ 3.1	103 27	50 30	40	0.34	- 3.42	0.34	0.0	1	28	3	0	sw.	A. I. Zeigle.
Oregon.	Holt.	1,113	54	77.8	+ 2.8	99 16	50 29†	31	0.49	- 3.88	0.39	0.0	2	25	3	3	se.	Tom Curry.
Ossocla.	St. Clair.	738	9	.....	.....	.....	.....	.....	0.40	.....	0.20	0.0	2	28	2	1	sw.	W. E. Matthews.
Parkville.	Platte.	0	.....	.....	.....	.....	.....	.....	0.38	.....	0.35	0.0	2	18	13	0		Prof. A. D. Wolfe.
Rolla.	Phelps.	1,092	23	80.2	.....	101 16†	52 30	44	0.63	- 3.25	0.60	0.0	3	24	6	1	sw.	Prof. P. J. Wilkins.
St. Charles.	St. Charles.	614	31	81.2	+ 4.9	100 12	53 30	42	0.09	- 2.95	0.09	0	1	24	6	1	s.	L. C. Saeger.
St. Joseph.	Buchanan.	825	37	81.2	.....	101 15†	50 30	37	0.42	- 3.52	0.26	0.0	4	27	4	0	se.	Grant Forbes.
St. Louis.	Adair.	567	39	81.1	+ 3.9	98 13	56 30	25	0.66	- 2.00	0.42	0.0	4	19	11	1	e.	U. S. Weather Bureau.
Sublett.	Grundy.	1,000	29	79.4	+ 5.2	98 15	44 30	35	0.05	- 3.33	0.05	0.0	1	23	3	5	se.	Erree Spriggs.
Trenton.	Putnam.	812	14	79.0	+ 4.3	98 17	52 29†	35	0.10	- 3.72	0.10	0.0	1	23	3	5	se.	J. H. Fleisher.
Unionville.	Morgan.	1,072	16	78.0	+ 2.3	100 16	43 29	48	T.	- 4.47	T.	0.0	0	20	8	3	s.	Geo. W. Davis.
Versailles.	Johnson.	883	30	80.8	+ 4.2	103 17	49 30	40	0.57	- 3.05	0.42	0.0	3	25	6	0	sw.	Prof. S. F. Prince.
Warrensburg.	Warren.	865	19	80.3	+ 3.7	102 13	50 30	39	1.26	- 1.55	0.84	0.0	4	23	4	4	sw.	John H. Frick.
Warsaw.	Benton.	700	5	81.8	.....	107 17	43 30	51	0.25	.....	0.15	0.0	3	21	9	1	sw.	Dr. J. R. Smith.
Wheatland.	Hickory.	920	17	.....	.....	.....	.....	.....	0.13	- 3.45	0.13	0.0	1	28	2	1	s.	Mrs. S. A. Jackson.

• Precipitation included in that of the next measurement.

• Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Data are from standard instruments not supplied by the U. S. Weather Bureau.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

|| Estimated by observer.

¶ Precipitation for the 24 hours ending on the morning when it is measured.

** Precipitation is less than 0.01 inch rain or melted snow.

*, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

TABLE 2.—*Daily precipitation for August, 1909. District No. 6, Missouri Valley.*

Stations.	River basins.	Day of month.																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.				
Wyoming.																																					
Arapahoe.	Big Horn.	.21																																			
Barnum.	Powder.	T.																																			
Basin.	Big Horn.																																				
Bennett.	North Platte.	.11	.05	.04	.02	.36	.02	.01	.20																												
Cheyenne.	South Platte.	T.	T.	T.	T.	.32			T.	.08	.01																										
Cheyenne Exp. Farm.	do.																																				
Chugwater.	North Platte.	T.	T.	T.	T.	.17			T.	T.	T.	T.																									
Clark.	Clark's Fork.	.18							T.	T.	T.	T.																									
Crystal Lake Reservoir.	South Platte.																																				
Douglas.	North Platte.	.07	.27																																		
Dubois.	Big Horn.	.06																																			
Eaton's Ranch.	Tongue.					T.	T.	.75	.52																												
Echeta.	Powder.																																				
Elk Mountain.	North Platte.																																				
Encampment.	do.	T.	.08	T.	T.	.01	.07	T.	.01	.01	.10	.14	.18																								
Ervay.	do.																																				
Filmore.	do.																																				
Fort Laramie|||.	do.																																				
Gillette.	Powder.	T.	T.	T.	T.	.09	.05	.08	T.																												
Granite Canyon.	South Platte.	T.	T.	T.	T.	.01	T.	.40	.92	T.																											
Hunter's Station.	Powder.																																				
Hyattville.	Big Horn.	T.																																			
Independence.	North Platte.	.15							T.	.03	T.	.58																									
Kaycee.	Powder.	.9							T.																												
Kirtley.	Niobrara.																																				
Kirwin.	Big Horn.	.28	T.																																		
Knowles.	Belle Fourche.																																				
Lander.	Big Horn.	T.																																			
Laramie.	North Platte.																																				
Leo.	do.																																				
Lolabama Ranch.	Clark's Fork.																																				
Lovell.	Big Horn.																																				
Luak|||.	Niobrara.																																				
Luther.	South Platte.	.26																																			
Manville.	Niobrara.																																				
Moorcroft.	Belle Fourche.																																				
Moore.	Big Horn.	.67																																			
Newcastle.	North Platte.	.07																																			
Pathfinder.	S. Fork, Cheyenne.	T.	.23																																		
Phillips.	North Platte.	T.	.33	.50																																	
Pine Bluff.	South Platte.	.21																																			
Powell.	Big Horn.																																				
Riverton.	do.																																				
Saratoga.	North Platte.	T.	.10																																		
Sheridan, (1).	Tongue.	.04																																			
Sheridan, (2).	do.																																				
Shoshone Dam.	Big Horn.																																				
Soldier's Home.	Powder.																																				
South Pass City.	North Platte.	T.	.02	.01																																	
Thermopolis.	Big Horn.	.67																																			
Upton.	S. Fork, Cheyenne.	.50																																			
Valley.	Big Horn.	.08																																			
Verona.	Tongue.																																				
Wiley.	Big Horn.																																				
Wynoote.	North Platte.																																				
Yellowstone Park.	Yellowstone.	.07	.28	T.																																	
(1) Fountain.																																					
(2) Grand Canyon.																																					
(3) Lake Yellowstone.																																					
(4) Norris Geyser B.																																					
(5) Riverside.																																					
(6) Soda Butte.																																					
(7) Sylvan Pass.																																					
(8) Thumb.																																					
(9) Tower Falls.																																					
(10) Up. Geyser Basin.																																					
Montana.	Yellowstone.																																				
Adel.																																					
Agricultural College.																																					
Augusta.																																					
Babb|||.					</td																																

TABLE 2.—*Daily precipitation for August, 1909. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for August, 1909. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for August, 1909. District No. 6—Continued.*

Stations.	River basins.	Day of month.																														Total.							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
Colorado—Cont'd.																																							
Boulder.	South Platte.				T.	T.	.21	.04		T.	.30	T.																						2.42					
Burlington.	Republican.																																	60	0.82				
Cassells.	South Platte.																																						
Castle Rock.	do.				T.	T.	.10	.05	.03	T.	.11	T.	T.	.02																		2.34							
Chesman.	do.																																	3.30					
Cheyenne Wells.	Smoky Hill.	.10	.24																															0.78					
Como.	South Platte.																																						
Cope.	Republican.																																	0.39					
Coronado.	South Platte.	.14	.62		.14	.06	.42	.40	.64	.13	.24	.22																				5.25							
Denver.	do.	T.	.07		T.	.24	.02	.60	T.	T.	T.	T.																				2.13							
Edgewater.	do.	.20																																3.36					
Ester P'k Fish H'y.	do.	T.			T.	.02	.04	T.	.12	.04	.05	.29	.10	T.																	4.26								
Fort Collins.	do.	T.																															1.45						
Fort Morgan.	do.																																1.89						
Frances.	do.																																12	6.24					
Fry's Ranch.	do.	.06	.33		.01	T.	.35	.11	.25	.31	.02	.01																			18	.11							
Georgetown||.	do.	.06			.02	.25	.34	.14	.27	.05	.23																				3.44								
Greeley.	do.																																0.86						
Hartsel.	do.	.06	.05		.01	T.	.03	.04	.03	.31	.27	T.	.07	.03	.15	.03	.20	.23	.41	.48	T.										12	T.	10	.12		4.34			
Hawthorne.	do.																																	20	.06	.09	.25	1.93	
Holyoke (near).	do.																																						
Idaho Springs.	do.																																						
Kots.	do.																																						
Kossler.	do.																																						
La Porte.	do.																																						
Le Roy (near).	do.																																						
Longmont.	do.	.08																																					
Long's Peak (near).	do.																																						
Moraine.	do.																																						
Platte Canon.	do.																																						
St. Cloud.	do.	.03																																					
Sedgwick.	do.																																						
Sill Mine.	do.																																						
Spicer (near).	North Platte.																																						
Waterdale.	South Platte.																																						
Westlake.	do.	.08	T.		T.	.90	.08	.61	.11	T.																									1.68				
Wray.	Republican.																																						
Yuma.	do.																																					1.26	
Nebraska.	Niobrara.	.12			T.	T.	.125	T.																												1.61	5.28		
Ainsworth.	North Platte.																																						1.90
Alliance.	Republican.	.134	.02	.03																																			1.93
Alma.	Niobrara.	.84																																					2.50
Anoka||.	do.	.87	T.		T.	.75																																0.96	
Ashland.	Platte.	.55																																					3.70
Atkinson||.	Elkhorn.																																						50
Auburn||.	Little Nemaha.	.29																																					0.35
Beatrice.	Blue.	.04	.14																																			0.34	
Beaver City.	Republican.																																						2.00
Bellevue.	Missouri.	.33	.30																																			0.65	
Blair.	do.	.130																																				2.38	
Bloomfield.	Republican.	.08	.12																																			0.71	
Blue Hill.	North Platte.																																						0.12
Bridgeport.	Loup.	.26	.21																																			4.08	
Burke.	Niobrara.	.04																																				4.32	
Burwell.	Loup.																																						
Callaway.	do.	.10																																					1.13
Cambridge.	Republican.	.32	T.																																			1.78	
Canton (near).	North Platte.	T.		.13	.03																																0.88		
Columbus||.	Loup.	.03	.188																																			2.28	
Creighton.	Missouri.			.01																																			

TABLE 2.—*Daily precipitation for August, 1909. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for August, 1909. District No. 6—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, August, 1909. District No. 6, Missouri Valley.

Date	Wyoming.										Montana.																	
	Basin.		Cheyenne.		Fort Laramie.		Lander.		Newcastle.		Pathfinder.		Sheridan.		Yellowstone Park.		Billings.		Dillon.		Havre.		Helena.		Lewiston.		Malta.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	92	60	88	49	101	53	84	52	98	65	92	51	82	53	77	48	96	51	78	51	87	54	82	56	82	46	46	
2...	96	57	83	56	92	64	76	51	86	68	83	52	76	51	70	45	86	54	82	52	78	58	77	57	87	44	44	
3...	87	57	81	49	92	51	86	43	90	48	88	47	88	44	76	43	95	46	84	50	82	52	85	50	87	53	53	
4...	96	60	84	50	97	56	98	48	96	65	93	50	94	49	81	46	96	47	85	51	88	53	90	52	89	53	53	
5...	95	52	87	57	101	51	90	52	93	62	93	51	89	58	77	48	88	50	86	46	78	50	77	54	79	44	44	
6...	98	60	86	55	90	53	77	55	87	58	82	56	73	57	79	44	88	50	87	40	70	38	73	48	69	50	50	
7...	83	68	82	54	89	58	86	54	89	60	84	49	80	57	77	49	81	50	81	53	72	52	76	52	73	50	50	
8...	80	60	80	53	92	59	90	53	85	53	86	43	77	52	78	47	80	54	80	50	89	51	81	48	78	48	48	
9...	91	61	83	57	97	63	83	58	89	52	92	46	87	51	80	47	91	54	87	58	89	56	86	52	87	54	54	
10...	98	60	84	53	95	63	86	54	96	60	90	51	85	62	79	55	96	61	76	40	94	62	86	62	90	55	55	
11...	94	62	83	60	99	60	82	56	92	63	91	52	89	56	80	53	97	59	82	50	90	61	84	55	86	54	54	
12...	96	60	85	58	97	59	87	52	91	64	88	47	90	63	81	49	92	58	86	56	91	56	87	57	87	53	53	
13...	98	61	85	60	98	60	88	52	94	62	86	54	85	53	79	50	87	50	85	54	89	51	80	57	81	50	50	
14...	94	54	85	56	98	72	90	48	96	68	90	57	92	51	84	43	93	49	84	53	93	50	89	49	89	47	47	
15...	104	61	88	59	101	61	96	52	101	66	93	65	98	53	84	51	104	50	86	50	96	63	88	55	95	47	47	
16...	100	71	86	59	95	65	85	58	90	72	90	67	86	54	82	48	94	50	84	54	83	62	82	52	90	44	44	
17...	90	55	76	56	83	64	86	51	93	55	89	65	89	59	84	48	96	58	89	43	85	55	87	43	43	43	43	
18...	93	61	76	54	91	61	87	52	94	63	86	54	91	50	82	47	92	49	87	49	88	53	88	54	80	44	44	
19...	94	59	78	52	94	55	87	58	94	65	84	57	92	49	84	47	94	49	87	55	91	48	90	55	89	50	50	
20...	93	57	76	50	91	49	88	47	95	60	86	54	95	51	82	43	93	52	86	50	98	50	92	54	94	50	50	
21...	97	64	84	55	98	58	88	61	91	61	89	63	83	55	78	57	87	53	70	40	77	54	76	52	73	49	49	
22...	90	56	84	53	95	63	78	55	94	66	82	56	85	53	77	50	95	50	80	78	37	89	51	85	47	88	56	56
23...	88	56	88	53	98	56	87	52	97	61	87	59	88	49	72	45	84	50	78	47	85	57	71	51	70	41	41	
24...	93	54	76	59	87	64	81	48	90	53	83	54	78	72	73	36	85	43	79	40	77	45	77	44	75	43	43	
25...	88	50	83	52	96	62	87	40	85	56	86	40	82	47	79	40	90	42	80	39	82	47	82	51	82	46	46	
26...	89	51	85	48	100	49	90	44	99	60	89	41	96	43	82	50	101	45	74	38	95	53	90	52	79	41	41	
27...	98	48	82	52	94	47	94	58	86	38	73	42	68	42	74	47	65	36	62	45	64	49	84	42	42	42	42	
28...	76	46	63	51	89	56	74	40	90	54	77	50	76	36	76	31	79	35	61	32	74	38	74	38	68	34	34	
29...	88	49	77	47	93	48	86	39	90	52	86	47	91	39	80	42	94	35	73	38	84	43	82	45	89	41	41	
30...	93	51	84	54	98	47	88	48	93	55	86	50	90	42	79	52	98	38	80	44	89	47	83	53	82	44	44	
31...	89	62	80	54	85	50	74	59	86	58	81	57	76	58	63	54	72	49	81	42	85	50	75	60	77	51	51	
Mns	92.5	57.5	82.0	54.4	94.1	57.2	85.4	50.9	92.5	60.5	86.9	52.6	85.7	50.8	78.1	62.6	90.4	48.9	79.8	45.4	84.2	51.3	81.9	52.0	82.1	47.3	47.3	

Date	Montana.					North Dakota.					South Dakota.															
	Miles City.		Poplar.		Bethold Agency.	Bismarck.		Dickinson.		Jamestown.		Williston.		Aberdeen.	Chamberlain.		Huron.		Kadoka.		Lemmon.		Pierre.	Rapid City.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	98	60	95	55	93	52	94	53	92	55	87	56	92	51	94	60	98	63	92	59	99	64	103	64	97	66
2...	86	68	95	55	84	65	92	63	83	65	79	64	79	55	93	66	97	67	88	67	97	71	82	64	84	64
3...	94	54	90	51	87	49	83	57	86	43	81	60	87	49	84	63	94	62	85	64	90	65	89	65	80	60
4...	104	64	94	54	93	53	96	62	91	55	88	53	88	52	93	54	95	65	88	67	101	64	98	63	97	60
5...	94	67	88	53	94	60	99	64	91	57	90	55	90	55	91	57	95	55	95	67	103	66	97	66	98	64
6...	78	62	79	55	82	62	84	55	85	64	77	55	87	72	95	72	90	66	92	70	91	67	80	65	77	65
7...	84	62	72	53	67	57	70	56	70	57	72	55	75	66	80	63	72	66	83	64	81	66	78	61	77	62
8...	84	62	85	53	82	50	80	53	79	54	89	52	83	53	77	57	82	65	78	61	81	62	78	61	89	65
9...	91	61	80	64	86	60	88	61	89	56	84	62	82	63	82	63	88	66	86	66	91	65	90	69	89	65
10...	95	63	92	65	85	66	82	62	83	61	75	65	89	64	92	67	93	68	90	67	93	69	94	75	79	62
11...	93	69	95	67	90	63	82	65	85	65	75	64	91													

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TABLE 3.—Maximum and minimum temperatures at selected stations, August, 1909. District No. 6—Continued.

Date	South Dakota.						Colorado.						Nebraska.												Oakdale.			Omaha.					
	Sioux Falls.			Watertown.		Yankton.	Denver.			Wray.			Alma.			Bridgeport.			Grand Island.			Hay Springs.			Hebron.			Lincoln.			North Platte.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.		
1..	93	61	94	61	91	61	90	60	95	63	89	61	90	52	90	66	94	55	88	64	89	66	87	61	89	62	89	66	89	67			
2..	80	63	90	64	91	60	86	65	94	67	93	70	89	66	92	70	90	66	93	71	91	67	95	68	92	69	88	68	73				
3..	79	59	84	68	86	68	86	60	93	66	90	70	92	52	85	66	90	52	86	66	88	65	85	64	87	67	87	67	87				
4..	79	65	88	58	87	63	88	58	90	61	91	63	91	63	87	63	93	59	91	64	90	69	85	65	87	58	90	70					
5..	93	68	90	63	89	71	93	59	95	65	90	64	95	59	87	65	96	52	86	68	89	71	89	63	88	67	87	73					
6..	92	69	90	67	89	71	93	64	95	56	93	67	95	62	90	67	97	60	93	67	91	60	91	68	89	68	89	70					
7..	82	68	80	65	88	73	88	58	95	66	93	71	89	49	93	70	88	60	94	72	91	72	94	72	88	72	88	72					
8..	80	69	78	65	83	70	83	61	94	66	93	71	87	60	91	73	85	65	91	71	93	74	92	68	89	67	90	74					
9..	92	68	80	62	88	71	86	60	89	60	92	62	87	55	93	62	94	66	93	69	89	65	88	69	92	73	92	73					
10..	92	70	90	69	90	72	85	63	91	61	90	67	86	63	94	67	87	60	95	69	94	71	88	66	89	66	92	75					
11..	94	74	94	70	93	77	86	62	96	62	96	71	94	57	98	72	92	60	98	71	97	74	97	70	93	72	95	75					
12..	92	75	83	68	93	75	87	60	98	63	95	68	95	60	98	72	90	63	100	75	99	76	94	66	93	71	98	77					
13..	90	69	88	68	91	72	86	64	98	61	95	70	96	60	100	70	91	58	98	72	98	75	93	62	90	70	94	76					
14..	94	70	92	67	90	74	89	63	98	63	100	68	95	60	97	70	92	62	98	71	97	74	94	66	91	70	96	77					
15..	96	68	94	64	92	72	92	63	97	63	99	65	96	56	100	65	95	55	98	60	100	72	94	62	94	70	96	77					
16..	95	66	90	61	88	71	92	63	101	59	103	62	98	59	100	66	96	60	105	68	103	71	97	66	96	67	96	74					
17..	85	60	88	55	88	65	76	60	92	66	93	75	89	56	92	70	85	60	96	71	95	70	95	65	88	65	89	72					
18..	84	59	88	55	82	61	78	58	90	64	90	62	87	59	83	60	91	57	98	62	85	62	93	57	88	63	83	65					
19..	80	50	86	58	86	77	60	83	64	84	55	89	58	89	57	81	55	89	57	94	61	84	59	88	50	81	63						
20..	84	58	88	55	86	60	80	55	90	52	93	53	85	49	89	55	86	48	92	51	91	56	87	52	85	57	87	62					
21..	85	60	88	55	89	67	80	59	95	63	95	60	90	55	90	63	95	65	95	60	94	66	92	64	89	60	89	66					
22..	80	66	78	55	86	67	89	64	98	58	102	67	97	60	90	70	90	61	93	73	89	70	95	65	82	70	82	70					
23..	89	64	89	62	92	70	92	60	100	70	99	63	96	57	95	70	97	56	98	68	97	74	97	69	90	67	93	71					
24..	90	70	88	65	88	70	95	61	99	66	100	70	97	60	98	70	98	61	97	69	97	71	98	67	95	68	98	72					
25..	89	65	90	60	85	68	86	58	91	63	96	68	93	63	98	70	98	54	94	64	94	70	95	65	89	58	90	72					
Mns.	87.5	64.2	86.4	61.2	87.8	66.6	85.2	59.9	93.1	61.1	93.5	64.6	91.0	56.7	91.2	64.9	88.7	57.3	92.8	65.6	92.1	68.1	90.0	63.2	87.7	62.9	89.3	69.7					

Date	Iowa.						Kansas.												Missouri.																				
	Valentine, Nebr.			Clarinda.			Sibley.			Sioux City.			Colby.			Concordia.			Salina.			Topeka.			Wamego.			Columbia.			Kansas City.			St. Louis.			Unionville.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.						
1..	92	61	92	64	90	58	90	65	91	63	88	66	90	63	89	72	91	66	88	75	97	87	98	68	93	65	93	71	91	66	88	73	91	66					
2..	90	65	90	66	89	65	88	66	95	66	93	73	90	70	91	72	97	69	91	67	90	71	94	74	98	68	93	66	93	74	98	68	93	68					
3..	88	60	90	69	85	66	87	67	96	67	98	69	97	69	91	67	93	66	91	69	90	69	97	70	90	76	93	66	93	66	93	68	93	68					
4..	93	62	92	65	85	60	86	68	91	61	88	66	92	66	93	69	91	69	91	65	90	69	97	70	90	76	93	66	93	66	93	66	93	66					
5..	94	64	95	65	88	61	88	61	92	63	93	65	95	63	98	71	93	68	95	65	98	70	98	71	98	68	98	68	98	72	98	68	98	68					
6..	96	66	89	66	87	63	87	69	96	64	90	67	97	63	93	67	89	69	93	68	98	73	98	74	98	66	98	66	98	76	98	66	98	66					
7..	86	66	96	67	87	66	86	71	100	67	90	73	93	68	88	71	98	70	98	70	98	74	97	86	97	71	98	71	98	70	97	66	98	66					
8..	82	65	93	66	80	69	87	69	97	70	90	70	94	68	89	70	93	70	93	70	98	72	98	73	98	74	98	72	98	76	98	77							
9..	92	68	95	65	85	68	87	74	98	59	91	67	92	62	93	69	96	67	91	71	90	62	92	68	93	73	98	74	98	76	98	77							
10..	91	69	95	67	90	68	98	73	92	62	93	69	96	66	98	70	93	73	93	66	96	74	97	77	97	87	94	75	92	76	96	70							
11..	98	70	98	69	92	69	93	75	98	67	95	74	99	71	98	73	98	69	95	75	97	84	98	75	95	88	98	75</td											